



CATALOGO 2026





L' azienda

Siamo un'azienda che opera da molti anni nel settore della ricezione e trasmissione dei segnali televisivi, terrestri e satellitari, telefonici e, fibra ottica . La nostra produzione si compone di una vasta e rinnovata gamma di articoli, adatti a soddisfare tutte le richieste di mercato che permettono la realizzazione di impianti singoli o centralizzati. La nostra organizzazione ci permette di accettare le richieste di prodotti che non risultano presenti nel catalogo, e in tempi brevi soddisfare la domanda.

La nostra produzione in ambito specificamente satellitare va dalla produzione di ricevitori modulari digitali per impianti centralizzati, partitori, derivatori e prese da 5 a 2500 MHz, multiswitches e inoltre una vasta gamma di articoli 1° IF-sat, ripetitori e trasmettitori banda TV e MMDS.

Tutto ciò è al servizio della nostra clientela, a cui diamo assistenza tecnica direttamente dalla sede, e un supporto dei nostri tecnici per la progettazione e la realizzazione di ogni tipo di impianto satellitare, terrestre, telefonico e, impianti per fibre ottiche.

foreword

We are a company which has operated for many years in the sector of reception and transmission of terrestrial, satellite television, mobile signal and optic fiber.

Our production consists of a wide range of article able to satisfy all market requests allowing to realize single and centralized systems. Our organization allows us to accept all requests for products which are not present in the catalogue, and in few times satisfy the request. Our production in the field of the satellite reception is composed from modular digital satellite receivers for centralized installations, taps , splitters and plugs in 5-2500 MHz band, multiswitches and a wide range of items for 1° IF-SAT, transposers and transmitters in TV band and MMDS band.

All that is in the service of our costumers, to whom we give technical assistance and our technicians'support for the engineering and realization of any kind of TV systems and for optic fiber.

présentation

Nous sommes une usine que travaille pendant très année dans le sécteur du réception et transmission du signal TV, térestriel satellitaire,téléphoniques et fibre optique.

La notre production a une vaste et renouvelé gamme d'articles, adaptes pour satisfié tout les réquetes du marché que permette la réalisation des installations singles ou céntralizées.

La notre organization permet d'accepter tout les requetes des produits que il ne sont pas présent sur le catalogue, et in peu temp satisfié la demande.

La notre production en champ satellitaire va dans la production des récépteurs numériques modulaires pour installations centalizées, répartiteurs, dérivateurs et prises de 5 au 2500 MHz, multiswitches et une vaste gamme d'articles 1° IF-SAT, répéteurs et émetteurs en bande TV et MMDS.

Tout est à le service de notre clients, pour l'assistance technique et le project de tout installations.



STRUMENTAZIONE

6

GENERATORE DI RUMORE
COMBO METER

7
8

FIBRA OTTICA

9

TRASMETTITORI E RICEVITORI
SALDATRICE

10
12

CENTRALIZZATO TV

13

MODULATORI DIGITALI
CENTRALINI SMART
AMPLIFICATORI WIDEBAND
FILTRI LTE
AMPLIFICATORI MONOCANALE
ALIMENTATORI
PREAMPLIFICATORI
TRAPPOLE
ATTENUATORI
PIASTRE E ARMADI
ACCESSORI VIDEO

14
16
18
21
22
25
26
28
29
30
32

SATELLITE

33

MISCELATORI E AMPLIFICATORI
PARABOLE
PRESE TV-SAT
TAPPI
CONNETTORI

34
35
36
39
42

ANTENNE

43

ANTENNE UHF

44

ARTICOLI DA PALO

46

AMPLIFICATORI
MISCELATORI
FILTRI, TRAPPOLE, ACCOPPIATORI
ALIMENTATORI

47
53
54
55

ARTICOLI PER LA DISTRIBUZIONE TV

56

AMPLIFICATORI RETRO TV
PARTITORI A MORSETTO
DERIVATORI A MORSETTO
PARTITORI 5÷2400 MHz
DERIVATORI 5÷2400 MHz
PARTITORI LINEA ECO
CAVI TV-SAT
ACCESSORI E CONNETTORI
RIPETITORI DI TELECOMANDO

57
58
59
61
62
64
65
66
67





TELEFONIA

69

KIT MONOCAVO SINGLE BAND
KIT MONOCAVO DUAL BAND
AMPLIFICATORI MONOCAVO SINGLE BAND
AMPLIFICATORI MONOCAVO DUAL BAND
AMPLIFICATORI MONOCAVO TRIPLE BAND
AMPLIFICATORI MONOCAVO FIVE BAND
ANTENNE E CAVI
ACCESSORI E STRUMENTI

72
74
78
86
95
104
107
125

STANDARD TELEVISIVI

-  **Standard televisivi**
-  Television standards
-  Standard télévisifs
-  Estandar televisivos

NORME TV STANDARD CCIR TV STANDARDS CCIR NORMES TV STANDARD CCIR

	A	B	C	D	E	F	G	H	I	K	K1	L	M	N
NUMERO LINEE NUMBER OF LINES	405	625	625	625	625	819	819	625	625	625	625	625	625	625
LARGHEZZA DI BANDA CAN. CHANNEL BANDWIDTH (MHz)	5	7	7	8	14	7	8	8	8	8	8	8	6	6
LARGHEZZA BANDA VIDEO VIDEO BANDWIDTH (MHz)	3	5	5	6	10	5	5	5	5,5	6	6	6	4,2	4,2
DISTANZA VIDEO-AUDIO VIDEO-AUDIO SPACING (MHz)	-3,5	+5,5	+5,5	+6,5	+11,15	+5,5	+5,5	+5,5	+6	+6,5	+6,5	+6,5	+4,5	+4,5
BANDA LATERALE VESTIG. VESTIGIAL SIDE BAND (MHz)	0,75	0,75	0,75	1,25	2	0,75	0,75	1,25	1,25	0,75	1,25	1,25	0,75	0,75
MODULAZIONE DEL VIDEOPOS VIDEO MODULATION	NEG	POS	NEG	POS	POS	NEG	NEG	NEG	NEG	NEG	POS	NEG	NEG	
MODULAZIONE DELL'AUDIO AUDIO MODULATION	AM	FM	AM	FM	AM	AM	FM	FM	FM	FM	FM	AM	FM	FM

SISTEMA TV INTERNAZIONALE INTERNATIONAL TV SYSTEM SYSTEME INTERNATIONAL TV

NAZIONE COUNTRY	VHF	UHF	COLORE COLOUR	NAZIONE COUNTRY	VHF	UHF	COLORE COLOUR
ALGERIA	B	H	PAL	LIBIA	B	H	SECAM
ARGENTINA	N	N	PAL-N	LUSSEMBURGO	C	L	SECAM/PAL
AUSTRALIA	B	H	PAL	MALTA	B	H	PAL
AUSTRIA	B	G	PAL	MALESIA	B	G	PAL
BAHRAIN	B	-	PAL	MESSICO	M	M	NTSC
BELGIO	B	H	PAL	MAROCCO	B	B	SECAM
BOSNIA-ERZEGOVINA	B	G	PAL	NIGERIA	B	I	PAL
BULGARIA	D	K	SECAM	NORVEGIA	B	G	PAL
CINA	D	K	PAL	PAKISTAN	B	-	PAL
CIPRO	B	G	SECAM	POLONIA	D	K	SECAM
COREA DEL SUD	M	-	NTSC	PORTOGALLO	B	G	PAL
CROAZIA	B	G	PAL	OMAN	B	G	PAL
DANIMARCA	B	G	PAL	QATAR	B	-	PAL
EGITTO	B	G,H	SECAM	REPUBBLICA Ceca	B	G	PAL
ESTONIA				REPUBBLICA SLOVACCA	B	G	PAL
FILIPPINE	M	M	NTSC	ROMANIA	D	K	SECAM
FINLANDIA	B	G	PAL	RUSSIA	D	K	SECAM
FRANCIA	E	L	SECAM	SINGAPORE	B	G	PAL
GERMANIA	B	G	PAL	SIRIA	B	H	SECAM
GIAPPONE	M	M	NTSC	SPAGNA	B	G	PAL
GIBILTERRA	B	H	-	SRI LANKA	B/H	-	PAL
GIORDANIA	B	G	PAL	STATI UNITI D'AMERICA	M	M	NTSC
GRAN BRETAGNA	A	I	PAL	SUDAFRICA	I	I	PAL
GRECIA	B	H	SECAM	SVEZIA	B	G	PAL
HONG KONG	(A) I	I	PAL	SVIZZERA	B	G	PAL
ISLANDA	B	G	PAL	THAILANDIA	B/M	-	PAL
INDIA	B	-	PAL	TUNISIA	B	-	PAL
INDONESIA	B	-	PAL	TURCHIA	B	G	PAL
IRAN	B	G	SECAM/PAL	YEMEN	B	G	PAL
IRAQ	B	-	SECAM				
IRLANDA	A/I	I	PAL				
ISRAELE	B	G	PAL				
ITALIA	B	G	PAL				
LIBANO	B	-	SECAM				

CCIR = COMITEE CONSULTATIF INTERNATIONAL
DES RADIOCOMMUNICATIONS

PAL = PHASE ALTERNATION LINE

SECAM = SEQUENTIELLE A MEMOIRE

NTSC = NATIONAL TELEVISION SYSTEM COMMITTEE

TABELLA DI CONVERSIONE

Tabella di conversione





 Conversion table

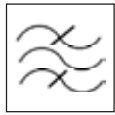
 Table de conversion

 Tabella de conversiones

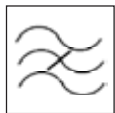
dBμV	μV75	dBm	POTENZA POWER	dBμV	μV75 mV75	dBm	POTENZA POWER	dBμV	mV75 V75	dBm	POTENZA POWER
0	1	-108,8	13,33 (f W = 10 ⁻¹⁵ W)	51	355	-57,8	1,68	112	390	+3,2	2,11
0,5	1,06	-108,3	14,96	52	398	-56,8	2,11	113	447	+4,2	2,66
1	1,12	-107,8	16,79	53	447	-55,8	2,66	114	501	+5,2	3,35
1,5	1,19	-107,3	18,8	54	501	-54,8	3,35	115	562	+6,2	4,22
2	1,26	-106,8	21,1	55	562	-53,8	4,22	116	631	+7,2	5,31
2,5	1,33	-106,3	23,7	56	631	-52,8	5,31	117	708	+8,2	6,68
3	1,41	-105,8	26,6	57	708	-51,8	6,68	118	794	+9,2	8,41
3,5	1,5	-105,3	29,8	58	794	-50,8	8,41	119	891	+10,2	10,6
4	1,58	-104,8	33,5	59	891	-49,8	10,6	120	1 (V)	+11,2	13,3
4,5	1,68	-104,3	37,6	60	1 (mV)	-48,8	13,3	121	1,12	+12,2	16,8
5	1,78	-103,8	42,2	61	1,12	-47,8	16,8	122	1,26	+13,2	21,1
5,5	1,88	-103,3	47,3	62	1,26	-46,8	21,1	123	1,41	+14,2	26,6
6	2	-102,8	53,1	63	1,41	-45,8	26,6	124	1,58	+15,2	33,5
6,5	2,11	-102,3	59,6	64	1,58	-44,8	33,5	125	1,78	+16,2	42,2
7	2,24	-101,8	66,8	65	1,78	-43,8	42,2	126	2	+17,2	53,1
7,5	2,37	-101,3	75	66	2	-42,8	53,1	127	2,24	+18,2	66,8
8	2,51	-100,8	84,1	67	2,24	-41,8	66,8	128	2,51	+19,2	84,1
8,5	2,66	-100,3	94,4	68	2,51	-40,8	84,1	129	2,82	+20,2	106
9	2,82	-99,8	106	69	2,82	-39,8	106	130	3,16	+21,2	133
9,5	2,9	-99,3	119	70	3,16	-38,8	133	131	3,55	+22,2	168
10	3,16	-98,8	133	71	3,55	-37,8	168	132	3,98	+23,2	211
11	3,55	-97,8	168	72	3,98	-36,8	211	133	4,47	+24,2	266
12	3,98	-96,8	211	73	4,47	-35,8	266	134	5,01	+25,2	335
13	4,47	-95,8	266	74	5,01	-34,8	335	135	5,62	+26,2	422
14	5,01	-94,8	355	75	5,62	-33,8	422	136	6,31	+27,2	531
15	5,62	-93,8	422	76	6,31	-32,8	531	137	7,08	+28,2	668
16	6,31	-92,8	531	77	7,08	-31,8	668	138	7,94	+29,2	841
17	7,08	-91,8	668	78	7,94	-30,8	841	139	8,91	+30,2	1.06 (W)
18	7,94	-90,8	841	79	8,91	-29,8	1.06 (μ W = 10 ⁻⁶ W)	140	10	+31,2	1,33
19	8,91	-89,8	1,0 (p W = 10 ⁻¹² W)	80	10	-28,8	1,33	141	11,2	+32,2	1,66
20	10	-88,8	1,33	81	11,2	-27,8	1,68	142	12,6	+33,2	2,11
21	11,2	-87,8	1,68	82	12,6	-26,8	2,11	143	14,1	+34,2	2,66
22	12,6	-86,8	2,11	83	14,1	-25,8	2,66	144	15,8	+35,1	3,35
23	14,1	-85,8	2,66	84	15,8	-24,8	3,35	145	17,8	+36,2	4,22
24	15,8	-84,8	3,35	85	17,8	-23,8	4,22	146	20	+37,2	5,31
25	17,8	-83,8	4,22	86	20	-22,8	5,31	147	22,4	+38,2	6,68
26	20	-82,8	5,31	87	22,4	-21,8	6,68	148	25,1	+39,2	8,41
27	22,4	-81,8	6,68	88	25,1	-20	8,41	149	28,2	+40,2	10,6
28	25,1	-80,8	8,41	89	28,2	-19,8	10,6	150	31,6	+41,2	13,3
29	28,2	-79,8	10,6	90	31,6	-18,8	13,3	151	35,5	+42,2	16,8
30	31,6	-78,8	13,3	91	35,5	-17,8	16,8	152	39,8	+43,2	21,1
31	35,5	-77,8	16,8	92	39,8	-16,8	21,1	153	44,7	+44,2	26,6
32	39,8	-76,8	21,1	93	44,7	-15,8	26,6	154	50,1	+45,2	33,5
33	44,7	-75,8	26,6	94	50,1	-14,8	33,5	155	56,2	+46,2	42,2
34	50,1	-74,8	33,5	95	56,2	-13,8	42,2	156	63,1	+47,2	53,1
35	56,2	-73,8	42,2	96	63,1	-12,8	53,1	157	70,8	+48,2	66,8
36	63,1	-72,8	53,1	97	70,8	-11,8	66,8	158	79,4	+49,2	84,1
37	70,8	-71,8	66,8	98	79,4	-10,8	84,1	159	89,1	+50,2	106
38	79,4	-70,8	84,1	99	89,1	-9,8	106	160	100	+51,2	133
39	89,1	-69,8	106	100	100	-8,8	133	161	112	+52,2	168
40	100	-68,8	133	101	112	-7,8	168	162	126	+53,2	211
41	112	-67,8	168	102	126	-6,8	211	163	141	+54,2	266
42	126	-66,8	211	103	141	-5,8	266	164	158	+55,2	335
43	141	-65,8	266	104	158	-4,8	335	165	178	+56,2	422
44	158	-64,8	335	105	178	-3,8	422	166	200	+57,2	531
45	178	-63,8	422	106	200	-2,8	531	167	224	+58,2	668
46	200	-62,8	531	107	224	-1,8	668	168	251	+59,2	841
47	224	-61,8	668	108	251	-0,8	841	169	282	+60,2	1.06 (K W = 10 ³ W)
48	251	-60,8	841	109	282	+0,2	1.06 (m W = 10 ⁻³ W)	170	316	+61,2	1,33
49	282	-59,8	1.06 (n W = 10 ⁻⁹ W)	110	316	+1,2	1,33				
50	316	-58,8	1,33	111	355	+2,2	1,68				

SIMBOLI

 **Simboli**
 Symbols
 Symboles
 Simboles



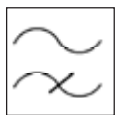
FILTRO PASSACANALE
O BANDA
PASS-BAND OR CHANNEL FILTER



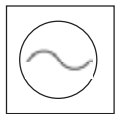
FILTRO SOPPRESSORE
DI CANALE O DI BANDA
SUPPRESSOR-BAND OR CHANNEL FILTER



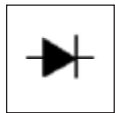
FILTRO PASSA BASSO
PASS-BASS FILTER



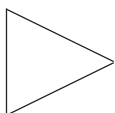
FILTRO PASSA ALTO
PASS-HIGH FILTER



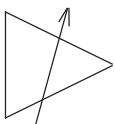
OSCILLATORE
OSCILLATOR



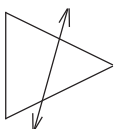
RIVELATORE RF
RF DETECTOR



AMPLIFICATORE
AMPLIFIER



AMPLIFICATORE A
GUADAGNO REGOLABILE
ADJUSTING-GAIN AMPLIFIER



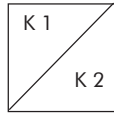
AMPLIFICATORE CON CONTROLLO
AUTOMATICO DEL GUADAGNO
AUTOMATIC GAIN CONTROL AMPLIFIER



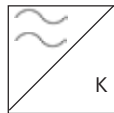
INDUTTORE DI BLOCCO RF
RF-STOP INDUCTOR



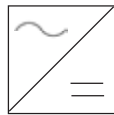
CONNESSIONE A TERRA
GROUND



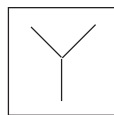
CONVERTITORE
CONVERTER



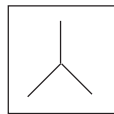
MODULATORE
MODULATOR



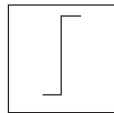
ALIMENTATORE
POWER SUPPLY



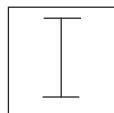
MISCELATORE
MIXER



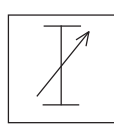
DEMISCELATORE
DE-MIXER



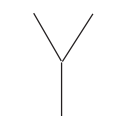
EQUALIZZATORE
EQUALIZER



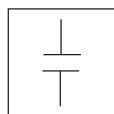
ATTENUATORE FISSO
FIX ATTENUATOR



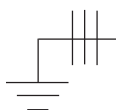
ATTENUATORE VARIABILE
VARIABLE ATTENUATOR



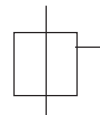
ANTENNA RADORICEVENTE
RECEIVING ANTENNA



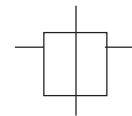
SEPARATORE PER cc
cc SEPARATOR



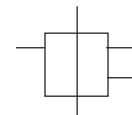
BARRETTA DI MESSA
A TERRA
GROUND PLATE



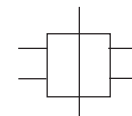
DERIVATORE A 1 VIA
ONE-WAY LINE TAP



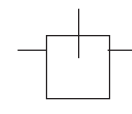
DERIVATORE A 2 VIE
TWO-WAYS TAP



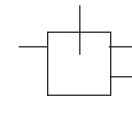
DERIVATORE A 3 VIE
THREE-WAYS TAP



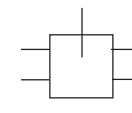
DERIVATORE A 4 VIE
FOUR-WAYS TAP



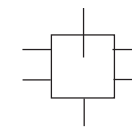
PARTITORE A 2 VIE
TWO-WAYS SPLITTER



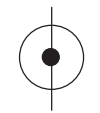
PARTITORE A 3 VIE
THREE-WAYS SPLITTER



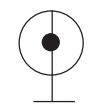
PARTITORE A 4 VIE
FOUR-WAYS SPLITTER



PARTITORE A 5 VIE
FIVE-WAYS SPLITTER



PRESA PASSANTE
PLUG







PRESA TERMINALE
TERMINAL PLUG



TERMINAZIONE 75Ω
75Ω TERMINATING



-  **Strumentazione**
-  Equipment
-  équipement
-  Equipos



Sistemi di misura.
Generatore di rumore
Combo Meter HD



Equipment.
Noise Generator
HD Combo Meter



Équipement.
Générateur de bruit
HD Combo Meter



Equipo.
Generador de ruido
Combo Meter HD



Generatore di rumore

Noise generator
 Générateur de bruit
 Generador de ruido

Il generatore di rumore NG è un modulo utile a diverse applicazioni: taratura filtri, centralini, testare efficienza dei cavi ecc.

The NG noise generator is a useful module for different applications: filter calibration, switchboards, cable efficiency testing, etc.

Le générateur de bruit NG est un module utile pour différentes applications: étalonnage de filtres, tableaux de contrôle, tests d'efficacité de câbles, etc.

El generador de ruido NG es un módulo útil para diferentes aplicaciones: calibración de filtros, tableros de distribución, pruebas de eficiencia de cables, etc.



MODELLO
CODICE

**NG
6395**

**NG-AL
6395**

SPETTRO DI FREQUENZA

FREQUENCY RANGE

170÷2200 Mhz

170÷2200 Mhz

LIVELLO DI USCITA SU 75Ohm

OUTPUT LEVEL ON 75Ohm

80 dB μ V/±2

80 dB μ V/±2

RISPOSTA IN FREQUENZA

FREQUENCY FEEDBACK

entro ± 2dB in tutto il range di frequenza

entro ± 2dB in tutto il range di frequenza

CONNETTORE USCITA

OUTPUT CONNECTOR

F

F

IMPEDENZA USCITA

OUTPUT IMPEDANCE

75 Ω

75 Ω

ALIMENTAZIONE

SUPPLY

230 Vac

Esterna 12 VDC

REG. LIVELLO D'USCITA

OUTPUT LEVEL REG.

0÷20 dB

0÷20 dB

ASSORBIMENTO

POWER CONSUMPTION

140mA

150mA

FINITURA

MATERIAL

ABS ignifugo

fireproof ABS





DIMENSIONE e PESO

SIZE & WEIGHT

127x852x32mm/ 0,5Kg

127x852x32mm/ 0,5Kg



-  **Strumentazione S2-T2**
-  Equipment S2-T2
-  équipement S2-T2
-  Equipos S2-T2

8112-AIR 9

Le sue dimensioni contenute ed il peso ridotto lo rendono estremamente pratico in ogni situazione. Dotato di una robusta custodia di protezione per proteggere le parti più sensibili dello strumento.

MISURE DIGITALI TV, SAT, SEGNALI TELEFONIA, WiFi e OPTIC POWER, DAB+FM.

Permette di eseguire le misure per segnali analogici, di telefonia mobile, DVB-T/T2, DVB-S/S2 e DVB-C come: BER pre e post-Viterbi, MER, C/N, ecc.

TELEALIMENTAZIONE INCLUSA DA 5V A 20V.

Supporta anche la compatibilità per DiSEqC 1.2, SatSCR e DCSS.

Il misuratore include un analizzatore di spettro, permette la visione del diagramma di costellazione (DVB-S/S2, DVB-T/T2 e DVB-C) ed ECHL.

TORCIA LED. Il misuratore è dotato di illuminazione.

AGGIORNAMENTO SOFTWARE via USB.





Parameters	BANDA TERRESTRE	BANDA SATELLITE
Input Frequency	45 ~ 1200MHz	950 ~ 2150MHz
Signal input level	-90dB to 10dB	-80dB to 10dB
Alimentazione antenna	5V/12V/20V/250mA max	13V/18V/21V 500mA max
Demodulazione	QPSK, 16QAM, 64QAM, 256QAM, T/T2	QPSK, 8PSK, S/S2
Tipo sintonia	LCN on/off	
Valori	PWR, LEVEL, C/N, CBER, VBER, MER, COSTELL., T/T2	PWR, LEVEL, C/N, CBER, VBER, MER, COSTELL., S/S2
Standard	B/G, DVB-T/T2, DVB-C, CATV	DVB-S/S2
LNB		UNIVERSALE, DiSEqC, SCR, dCSS
Symbol rate		Da 1 a 45 Mbps FULL-selezione automatica
Video	MPEG-2 SD, MPEG-4 HD, HEVC H.265, 4K	
Audio	MPEG-1 Layer I/II, MPEG-2 Layer I/II	
WiFi	-10dB/-90dB	
Optical Power	+50dBm/-50dBm	
Connettore	ALL IN 75Ohm "F" male	
Porta dati/aggiornamento	USB	
Schermo	TOUCHSCREEN 9"	
Alimentazione	Adattatore principale 100~240V, uscita 12Vcc/2A	
ANALISI SPETTRO	In tempo reale TUNER ANALOGICO	
☑ Velocità scansione		
☑ NIT (OSD) e immagine TV	SI	
MISURA SEGNALE TELEFONICO	-80~10dB	
Intervallo misurazione potenza		
Banda LTE	800MHz	
Banda EGSM	900MHz	
Banda DCS	1800MHz	
Banda UMTS	2100MHz	
Banda LTE	2600MHz	
Batteria	Ioni di litio, 7, 4V/5000mA	
Autonomia/Tempo ricarica	2 ore/ 3 ore	
Dimensioni/Peso/Garanzia	35x175x255mm / 1,2Kg / 1 anno	



FIBRA OTTICA

3B elettronica



-  **Fibra ottica**
-  **Optic fiber**
-  **Fibra optique**
-  **Fibra óptica**



TX-RX ottici e accessori



Optic tx and rx, and accessories



Optique tx et rx, et accessoires



Optic tx y rx, y accesorios



Trasmettitori e Ricevitori fibra ottica
TX 1 ingresso TERR.+SAT 1 uscita
RX 1 ingresso 1 uscita TERR.+SAT



Trasmettitori

MODELLO
CODICE

3B2015-OTH

3B2013-OTH

RF CONNECTOR	F- Female	F- Female
OPTICAL CONNECTOR	SC/APC or FC/APC	SC/APC or FC/APC
HOUSING MATERIAL	ALLUMINIO	ALLUMINIO
OPTICAL RETURN LOSS	≥ 45 dB	≥ 45 dB
OUTPUT OPTICAL WAVELENGTH	1550nm	1310nm
OUTPUT OPTICAL POWER	3 or 10 mW	3 or 10 mW
OPTICAL FIBER TYPE	SINGLE MODE	SINGLE MODE
FREQUENCY RANGE	47-2150MHz	47-2150MHz
FLATNESS	+/- 0.75 dB	+/- 0.75 dB
CATV/SATV INPUT LEVEL	80-/+5 70+/-5	80-/+5 70+/-5
INPUT IMPEDANCE	75ohm	75ohm
RETURN LOSS	≥ 16	≥ 16
C/N	≥ 52	≥ 52
CSO	≥ 60	≥ 60
CTB	≥ 63	≥ 63
POWER SUPPLY	12VDC F-Female	12VDC F-Female
CONSUMPTION	<2W	<2W
SIZE	100x98x28mm	100x98x28mm

Ricevitore

MODELLO
CODICE

3B2020A-ORH AGC

Trasmettitore+ Ricevitore

MODELLO
CODICE

3B2113-TX-RX/3B2014-TX-RXN
TX RX

RF CONNECTOR	F- Female
OPTICAL CONNECTOR	SC/APC or FC/APC
HOUSING MATERIAL	LEGA DI ZINCO
OPTICAL RETURN LOSS	≥ 45 dB
INPUT WAVELENGTH	1550nm +/-20
INPUT OPTICAL POWER	-10÷3dBm/-7÷2(ACG)
OPTICAL FIBER TYPE	SINGLE MODE
FREQUENCY RANGE	4-860 950-2150MHz
FLATNESS	+/- 0.75 dB
OUTPUT LEVEL @1dBm	≥ 80 @CATV ≥ 70 @SATV
OUTPUT IMPEDANCE	75ohm
RETURN LOSS	≥ 16
CNR	≥ 52
CSO	≥ 62
CTB	≥ 65
POWER SUPPLY	12VDC F-Female
CONSUMPTION	<2W
SIZE	100x98x28mm
RESPONSIVITY	≥ 0.9 A/W

RF CONNECTOR	F- Female/N
OPTICAL CONNECTOR	SC/APC or FC/APC
HOUSING MATERIAL	ALLUMINIO
OPTICAL ACG	- -7/+2dBm
WAVELENGTH	1310nm 1260-1600nm
OPTICAL POWER	10mW(10dBm) -15/+3dBm
OPTICAL FIBER TYPE	SINGLE MODE
FREQUENCY RANGE	47-2150MHz
POWER SUPPLY	12 VDC
RF LEVEL	75 ±10dBuV >75dBuV @ACG
SIZE	100x98x28mm





Trasmettitori e Ricevitori fibra ottica

TX 1 ingresso TERR.+4 ingressi SAT-IF; 1 uscita

RX 1 ingresso 1 uscita TERR.+4 uscite SAT-IF



MODELLO
CODICE

**3B2500-CWOTH
TX**

**3B2500-CWORH
RX**

RF CONNECTOR	F- Female	F- Female
OPTICAL CONNECTOR	SC/APC	SC/APC
INPUT OPTICAL WAVELENGTH	-	LV-RX:1510nm LH-RX:1530nm HV+Terr.-RX:1550nm HH-RX:1570nm
INPUT OPTICAL POWER	-	-10÷3dBm/-7÷2dBm @AGC
OUTPUT OPTICAL WAVELENGTH	LV-TX:1510nm LH-TX:1530nm HV+Terr.-TX:1550nm HH-TX:1570nm	-
OUTPUT OPTICAL POWER	3mW(≥5dBm)	-
FREQUENCY RANGE	47-2150MHz	47-2150MHz
INPUT LEVEL	75+/-10dBuV	-
OUTPUT LEVEL	-	≥75dBuV@AGC
INPUT IMPEDANCE	75ohm	-
OUTPUT IMPEDANCE	-	75ohm
LNB POWER SUPPLY	13/18V	-
LNB PS CONSUMPTION	350mA Max.	-
22KHz ACCURACY	22+/-4KHz	-
POWER SUPPLY	20VDC F-Female	20VDC F-Female
CONSUMPTION	<15W	<10W
SIZE	195x120x40mm	195x120x40mm



KIT GIUNTATRICE OTTICA FIB11

- GIUNTATRICE OTTICA
- TAGLIERINA PER FIBRA AUTOMATICA E MANUALE
- COPPIA ELETTRODI DI RICAMBIO
- SPELAFIBRA
- CONTENITORE PER LIQUIDO DI PULIZIA
- PENNELLO
- ALIMENTATORE PER GIUNTATRICE
- TRACCOLLA PER GIUNTATRICE
- FIBRA OTTICA PER TEST
- TUBETTI TERMORETRAIBILI PER GIUNZIONI FIBRA
- VALIGIA



TAGLIERINA AUTOMATICA
E MANUALE



ELETTRODI



POWER METER
VFL/OPM



SPELAFIBRA



SUPPORTO IN CERAMICA (V)
AD ALTA PRECISIONE

MODELLO
CODICE

8201
FIB11

APPLICABLE FIBERS	SM(G.652); MM(G.651); DSF(G.653); NZDS(G.655)
SPLICE LOSS	6 motori AUTO FOCUS
FOCUS MODE	0.02dB(SMF); 0.01dB(MMF); 0.04dB(DS/NZDS)
FIBER ALIGNMENT	CORE & CLADDING
TYPICAL SPLICING TIME	8S
TYPICAL HEATING TIME	18 S
ELECTRODE LIFE	3000 times
FIBER DIAMETER	CLADDING 80-150 μm/COATING 0.1-3mm
FIBER CLEAVE LENGTH	Coating less than 250μm: 8-16mm; Coating less than 250-1000μm: 16mm
HEATING SHRINKABLE TUBE	20mm, 30mm, 40mm, 50mm, 60mm
TENSION TEST	1.96-2.25N
SCREEN	4.3 inch touch LCD color screen
BATTERY	5200 mA high-capacity lithium battery, charging time 3.5 hours, continuous splicing and heating about 200 times
POWER SUPPLY	Input AC100-240V 50 / 60HZ, output DC13.5V / 4A
OPERATING CONDITION	Temperature -15~+50 °C, humidity: <95% RH (no condensation), Working altitude: 0-5000m. Resist max. wind speed: 15m/s
SIZE/WEIGHT	156x155x152mm/1.74Kg



Articoli per centralizzato TV - centralini canalizzati e larga banda

Items for TV installations, head-end CATV centrals and wide band CATV amplifiers

Articles pour systèmes TV centralisées - centrales canalisées à filtres et large bande

Productos para antenas colectivas - centrales canalizados a filtros y ancha banda



Articoli per centralizzato TV

La 3B Elettronica produce una vasta gamma di articoli per il centralizzato TV, filtri a 2-3-4-5-6-7-8 celle con diverso aspetto esteriore (custodie in lamiera stagnata o pressofusione) e una nuovissima serie di filtri completamente in pressofusione e tecnologia SMD, serie "MICHELANGELO".

Centralini a larga banda e sottostazioni in pressofusione, amplificatori retro TV da interno, alimentatori, basi, preamplificatori, convertitori e trappole per ogni esigenza.



Items for head-end CATV centrals

3B Elettronica produces a wide range of items for centralized installations, 2-3-4-5-6-7-8 cells filters with a different case (material of the case in tin-plated steel or die-casting) and a new series of die-casting filters with SMT technology, called "MICHELANGELO".

Wide band CATV amplifiers, single input CATV amplifiers in die-casting case, domestic wide band amplifiers, power supplies, bases, pre-amplifiers, converters and notches for all needs.



Articles pour systèmes TV centralisées

Le 3B Elettronica produce une vaste gamme de articles pour le centralisées TV, filtres à 2-3-4-5-6-7-8 cellules avec différent forme extérieure (platine en tôle d'étain ou en moulage sous pression) et une très nouvelle série des filters entièrement en moulage sous pression et technologie SMD, appelé "MICHELANGELO".

Centrales multibande et sous-station en moulage sous pression, amplificateurs pour l'intérieur, alimentations, bases, pre-amplificateurs, convertisseurs et filtres réjecteurs de bande pour tout les exigences.



Productos para antenas colectivas

La 3B Elettronica produce una vasta gamma de materiales por la instalacion colectiva, filtros a 2-3-4-5-6-7-8 cellas con diferente aspecto exterior (tapas en lamiera estanada o en aleacion) y un nueva series de filtros completamente en aleacion y tecnologia SMD, serie "MICHELANGELO". Amplificadores de banda, amplificadores de extensión, amplificadores domestico, alimentadores, bases, preamplificadores, convertidores y filtro de trampa para toda las exigencias.



CENTRALIZZATO MODULATORI DIGITALI

3B elettronica



Modulatori digitali

- Digital modulators
- Modulateurs digital
- Moduladores digitale



- Utilizza un ingresso HDMI o CVBS per collegare diverse sorgenti.
- Ha un encoder MPEG4 che permette l'utilizzo di ingressi HD consentendo anche la programmazione del LCN.
- E' dotato di uscita HDMI e una porta USB che consente l'aggiornamento software

Use an HDMI or CVBS to connect various sources.

It has an MPEG4 encoder that allows the use of HD inputs also allowing the programming of the LCN.

It's equipped with an HDMI output and a USB port that allows the software update

Utilisez un câble HDMI ou CVBS pour connecter différentes sources.

Il dispose d'un encodeur MPEG4 qui permet l'utilisation des entrées HD permettant également la programmation du LCN.

Il est équipé d'une sortie HDMI et un port USB qui permet la mise à jour du logiciel

Utilice un cable HDMI o CVBS para conectar varias fuentes.

Tiene un codificador MPEG4 que permite el uso de entradas de alta definición también permite la programación de la LCN.

Está equipado con una salida HDMI y un puerto USB que permite la actualización de software

MODELLO
CODICE

MHD1P
5950

MHD1RC
5952

MUHD
5953

STANDARD	DVB-T	DVB-T	DVB-T
CONSTITUTION	QPSK/16QAM/64QAM	QPSK/16QAM/64QAM	QPSK/16QAM/64QAM
BANDWIDTH	6/7/8 MHz	6/7/8 MHz	6/7/8 MHz
CARRIERS	2K/8K	2K/8K	2K/8K
GUARD INTERVAL	1/4, 1/8, 1/16, 1/32	1/4, 1/8, 1/16, 1/32	1/4, 1/8, 1/16, 1/32
CODE RATE	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
MER	35dB	35dB	35dB
FREQUENCY RANGE	50÷860 MHz	50÷860 MHz	50÷860 MHz
OUTPUT LEVEL	70÷100 dBuV	70÷100 dBuV	70÷100 dBuV
OUTPUT IMPEDANCE	75 ohm	75 ohm	75 ohm
INPUT FORMAT	CVBS/HDMI	CVBS/HDMI	CVBS/HDMI
ENCODING FORMAT	H.264	H.264	H.264
VIDEO RESOLUTION IN	576/720/1080	576i PAL/480i NTSC/1080p	576/720/1080/2160
CONNECTOR	RCA/HDMI 1.3	RCA/HDMI 1.3	RCA/HDMI 1.3
INPUT FORMAT	Stereo L/R channel	Stereo L/R channel	Stereo L/R channel
ENCODING FORMAT	MPEG-1 Audio Layer II	MPEG-1 Audio Layer II	MPEG-1 Audio Layer II
CONNECTOR	RCA	RCA	RCA
POWER SOURCE	DC 12V/1.5A	DC 12V/1.5A	DC 12V/1.5A
OPERATING TEMPERATURE	0÷+50°C	0÷+50°C	0÷+50°C
LCN	Programmabile	Programmabile	Programmabile
OUTPUT	HDMI max 1080	HDMI	HDMI max 2160
RF VIDEO OUTPUT	MPEG4	MPEG4	MPEG4
SOFTWARE UPDATE	By USB	By USB	By USB
PROGRAMMAZIONE	by 5952-MRC(venduto a parte)		



Modulatori digitali

- Digital modulators
- Modulateurs digital
- Moduladores digitale



- Utilizza 4 ingressi HDMI per collegare diverse sorgenti.
Ha un encoder MPEG4 che permette l'utilizzo di ingressi HD consentendo anche la programmazione del LCN.



Use an HDMI to connect various sources. It has an MPEG4 encoder that allows the use of HD inputs also allowing the programming of the LCN.

Utilisez un câble HDMI pour connecter différentes sources.
Il dispose d'un encodeur MPEG4 qui permet l'utilisation des entrées HD permettant également la programmation du LCN.

Utilice un cable HDMI para conectar varias fuentes.
Tiene un codificador MPEG4 que permite el uso de entradas de alta definición también permite la programación de la LCN.

MODELLO
CODICE

MHD4
5955

STANDARD	DVB-T(EYSI EN 300 744)
CONSTELLATION	64QAM
BANDWIDTH	6/7/8 MHz
CARRIERS	8K
GUARD INTERVAL	1/32
CODE RATE	7/8
MER	>36dB
FREQUENCY RANGE	100÷860 MHz
OUTPUT LEVEL	90÷105 dBuV
INPUT AUDIO	4xHDMI type A receptacle
INPUT VIDEO	4xHDMI(HDCP): type A receptacle
VIDEO COMPRESSION	H.264/AVC
VIDEO RESOLUTION	1080p @30p/25p
TYPE	19 inch montaggio rack
PSI	NID/ONID/P.D.S./TS ID
AUDIO COMPRESSION	MPEG-1 Audio Layer II
PID SETTING	PMT/Video/Audio/PCR
POWER SUPPLY/CONSUMPTION	AC 100-240 V / 15W
OPERATING TEMPERATURE	0÷+45°C
LCN	Al max 4 numeri, max:1023
OUTPUT	RF
RF VIDEO OUTPUT	MPEG4
SERVICE NAME	max 15 caratteri
DIMENSION	480x180x44 mm
PROGRAMMAZIONE	ON BOARD



CENTRALIZZATO
CENTRALI SMART

3B elettronica



6980-LINK PRO

NUOVA ERA DIGITALE

UNITÀ DIGITALE INDOOR A FILTRI
PROGRAMMABILE CON C. A. G.



L'UNICA DOTATA DI INTELLIGENZA
ARTIFICIALE
"SMART SYNC AI"

32

32 FILTRI DIGITALI
AUTOPROGRAMMABILI o
SELEZIONABILI MANUALMENTE



PROCESSAZIONE DIGITALE
DEI CANALI.
4IN DI CUI 1 VHF+DAB, 3 UHF



EQUALIZZAZIONE AUTOMATICA
TRAMITE C.A.G. CON POSSIBILITÀ DI
REGOLARE LO SLOP IN USCITA



PROGRAMMAZIONE MANUALE TRAMITE DISPLAY
E JOYSTICK INTEGRATO.



FILTRI DIGITALI VHF/UHF AD ALTA SELETTIVITÀ
MANTENIMENTO QUALITÀ MER TRA IN E OUT



REGOLAZIONE MANUALE DEL LIVELLO
DI USCITA DA 88dB μ V A 108dB μ V
INDIPENDENTE DAI MUX IN INGRESSO



5G
ready

MADE IN ITALY

CARATTERISTICHE TECNICHE	LINK PRO
Numero ingressi	4 (1IN VHF+DAB; 3IN UHF)
Banda ingressi	RF 174 \sqrt 694 MHz
Banda uscita	RF 174 \sqrt 862 MHz
Protezione LTE	5G e 4G
Numero filtri digitali	32
Numero uscite	1
Livello ingressi	VHF/UHF 40/100 dB V
Connettori ingressi/uscite	"F" femmina
Amplificazione MAX	70 dB
Selettività filtri digitali	35dB@1MHz
MER in uscita	35dB (con MER in ingresso >37)
Distorsione da intermodulazione	125dB V
Regolazione livello d'uscita	88 \sqrt 108 dB V indipendente dai mux in ingresso
Return loss IN/OUT	>12 dB
Telealimentazione in VHF-UHF	Automatica 12V 70mA per ingresso
Consumo	12Vdc 400mA
Temperatura di funzionamento	-10 \sqrt + 50 °C
Alimentazione in dotazione	12V 650mA
Dimensione	17x6,5x5,5cm



CENTRALIZZATO
CENTRALI SMART

3B elettronica



6985-LINK

NUOVA ERA DIGITALE

UNITÀ DIGITALE OUTDOOR A FILTRI
PROGRAMMABILE CON C.A.G.

32

**32 FILTRI DIGITALI
AUTOPROGRAMMABILI**



**PROCESSAZIONE DIGITALE
DEI CANALI.
4IN DI CUI 1 VHF+DAB, 3 UHF**



**EQUALIZZAZIONE AUTOMATICA
TRAMITE C.A.G.**



**AUTOPROGRAMMAZIONE ON BOARD INTELLIGENTE.
SELEZIONA, FILTRA ED EQUALIZZA TUTTI I CANALI
RICEVUTI DA OGNI INGRESSO PORTANDOLI IN USCITA
TUTTI ALLO STESSO LIVELLO**



**FILTRI DIGITALI VHF/UHF AD ALTA SELETTIVITÀ
35dB DI TAGLIO @1MHz**



**REGOLAZIONE MANUALE DEL LIVELLO
DI USCITA DA 80dB μ V A 100dB μ V**



**5G
ready**

MADE IN ITALY

CARATTERISTICHE TECNICHE	LINK
Numero ingressi	4 (1IN VHF+DAB; 3IN UHF)
Banda passante ingressi	RF 174/694 MHz
Banda uscita	RF 174/862 MHz
Protezione LTE	LTE700
Numero filtri digitali	32
Numero uscite	1
Livello ingressi	VHF/UHF 50v100 dB V
Connettori ingressi/uscite	"F" femmina
Range C.A.G. ingressi VHF/UHF	40 dB
Selettività filtri digitali	35dB@1MHz
MER in uscita	35dB (con MER in ingresso >37)
Distorsione da intermodulazione	113dB V (IM3 DIN 45004B -60dBc) 120dB V (IM3 -35dBc a 2 toni)
Regolazione livello d'uscita	80v100 dB V
Return loss IN/OUT	>12 dB
Telealimentazione in VHF-UHF	Automatica 12V 70mA
Consumo massimo	12Vdc 400mA
Temperatura di funzionamento	-10 \sqrt + 50 °C
Alimentazione	12V 470mA
Dimensione	11x15x7cm



CENTRALIZZATO AMPLIFICATORI LARGA BANDA

3B elettronica



Centralini larga banda in materiale plastico e pressofusione autoalimentati 230/240 VAC

Plastic & die-casting self-supplied 230/240 VAC CATV wide band amplifiers

Centrales mutlbande alimentation 230/240 VAC

Amplificadores de banda alimentaciòn 230/240 VAC

Centraline larga banda adatti per fissaggio a muro. Regolazioni con attenuatori. Connettori "F" femmina. Alimentatore esterno (serie HQ-HQL-HQX)

Broadband control units, suitable for wall mounting. Adjustments with attenuators. Female "F" connectors. External power supply (HQ-HQL-HQX series)

Unités de contrôle à large bande adaptées au montage mural. Réglages avec atténuateurs. Connecteurs "F" femelles. Alimentation électrique externe (série HQ-HQL-HQX)

Unidades de control de banda aptas para montaje en pared. Ajustes con atenuadores. Conectores hembra "F". Fuente de alimentación externa (serie HQ-HQL-HQX)

5G
ready

MADE IN ITALY



MODELLO CODICE	HQ345U* 6933	HQ3UU 6932	HQL345U* 6935	HQL3UU 6934	HQX345U* 6974	HQX3UU 6975
	Serie HQ		Serie HQL		Serie HQX	
SWITCH ± 10 dB SWITCH ± 10 dB	NO	NO	NO	NO	✓	✓
INGRESSO BIII BIII INPUT	30dB	30dB	30dB	30dB	35dB	35dB
INGRESSO BIV BIV INPUT	43dB	-	33dB	-	36~46dB	-
INGRESSO BV BV INPUT	43dB	-	33dB	-	36~46dB	-
INGRESSO UHF UHF INPUT	43dB	2x43dB	33dB	2x33dB	36~46dB	2x36~46dB
LIV. USCITA VHF VHF OUTPUT LEV.	118dB μ V	118dB μ V	118dB μ V	118dB μ V	119dB μ V	119dB μ V
LIV. USCITA UHF UHF OUTPUT LEV.	127dB μ V	127dB μ V	127dB μ V	127dB μ V	131dB μ V	131dB μ V
TELEALIMENTAZ. TELEPOWERING	12V 350mA ESTERNA	12V 350mA ESTERNA	12V 350mA ESTERNA	12V 350mA ESTERNA	12V 500mA ESTERNA	12V 500mA ESTERNA
ATTENUATORI ATTENUATORS	4 x 0÷20dB	3 x 0÷20dB	4 x 0÷20dB	3 x 0÷20dB	4 x 0÷20dB	3 x 0÷20dB
IMPEDEENZA IMPEDANCE	75ohm					
DIMENSIONI E PESO SIZE & WEIGHT	207x134x40mm 0,6Kg					

*Tagli customizzabili in base alle esigenze.




CENTRALIZZATO AMPLIFICATORI LARGA BANDA

3B elettronica




Centralini larga banda in materiale plastico autoalimentati 230/240 VAC


 Plastic self-supplied 230/240 VAC CATV wide band amplifiers


 Centrales mutlbande alimentation 230/240 VAC


 Amplificadores de banda alimentación 230/240 VAC



-  Centraline larga banda autoalimentati, adatti per fissaggio a muro. Regolazioni con attenuatori. Connettori "F" femmina. Telealimentazione automatica (serie CW)

 Self-powered broadband control units, suitable for wall mounting. Adjustments with attenuators. Female "F" connectors. Automatic remote power supply (CW series)

 Unités de contrôle à large bande auto-alimentées, adaptées au montage mural. Réglages avec atténuateurs. Connecteurs "F" femelles. Alimentation à distance automatique (série CW)

 Unidades de control de banda ancha autoalimentadas, aptas para montaje en pared. Ajustes con atenuadores. Conectores hembra "F". Fuente de alimentación remota automática (serie CW)



MODELLO CODICE	CW345U30* 6936	CW3UU30 6937	CW345U40* 6938	CW3UU40 6939
Serie CW				
FILTRO 5G 5G FILTER	✓	✓	✓	✓
INGRESSO BIII BIII INPUT	30dB	30dB	40dB	40dB
INGRESSO BIV BIV INPUT	30dB	-	40dB	-
INGRESSO BV BV INPUT	30dB	-	40dB	-
INGRESSO UHF UHF INPUT	30dB	2x30dB	40dB	2x40dB
LIV. USCITA VHF VHF OUTPUT LEV.	120dBμV	120dBμV	120dBμV	120dBμV
LIV. USCITA UHF UHF OUTPUT LEV.				
ALIMENTAZIONE POWER	240V	240V	240V	240V
TELEALIMENTAZIONE SU INGRESSI 12V	A RICONOSCIMENTO AUTOMATICO			
ATTENUATORI ATTENUATORS	4 x 0 ÷ 20dB			
IMPEDEENZA IMPEDANCE	75ohm			
DIMENSIONI E PESO SIZE & WEIGHT	130x150x50mm 0,6Kg			

*Tagli customizzabili in base alle esigenze.



CENTRALIZZATO AMPLIFICATORI LARGA BANDA

3B elettronica



Centralini larga banda in materiale plastico

Plastic CATV wide band amplifiers

Centrales mutlbande

Amplificadores de banda



Centralini larga banda autoalimentati, adatti per fissaggio a muro. Regolazioni con attenuatori. Connettori "F" femmina. Telealimentazione automatica (serie CS) e alimentatore esterno

Self-powered broadband control units, suitable for wall mounting. Adjustments with attenuators. Female "F" connectors. Automatic remote power supply (CS series) and External power supply

Unités de contrôle à large bande auto-alimentées, adaptées au montage mural. Réglages avec atténuateurs. Connecteurs "F" femelles. Alimentation à distance automatique (série CS) et Alimentation électrique externe

Unidades de control de banda ancha autoalimentadas, aptas para montaje en pared. Ajustes con atenuadores. Conectores hembra "F". Fuente de alimentación remota automática (serie CS) y alimentación externa

MODELLO
CODICE

CS345U25*
6970

CS3UU25
6071

CS345U35*
6972

CS3UU35
6973


Serie CS


INGRESSO BIII BIII INPUT	20dB	20dB	30dB	30dB
INGRESSO BIV BIV INPUT	25dB	-	35dB	-
INGRESSO BV BV INPUT	25dB	-	35dB	-
INGRESSO UHF UHF INPUT	25dB	2x25dB	35dB	2x35dB
LIV.USCITA VHF VHF OUTPUT LEV.	dBμV	dBμV	dBμV	dBμV
LIV.USCITA UHF UHF OUTPUT LEV.				
TELEALIMENTAZ. TELEPOWERING	A RICONOSCIMENTO AUTOMATICO (+cc SMART)			
ALIMENTAZIONE POWER SUPPLY	12V 470mA			
ATTENUATORI ATTENUATORS	4x0÷20dB	3x0÷20dB	4x0÷20dB	3x0÷20dB
IMPEDEENZA IMPEDANCE	75ohm			
DIMENSIONI E PESO SIZE & WEIGHT	175x74x51mm 0,26Kg			


*Tagli customizzabili in base alle esigenze.





Filtri LTE brevettati

-  LTE Filters patent
-  Filtres LTE brevet
-  Filtros LTE patente

 **BREVETTATO** (n°13160398.7)
CONFORME ALLA NORMATIVA CEI 100-7 CON
CERTIFICAZIONE ISCOM rilasciata dall'Istituto
Superiore delle Comunicazioni e delle Tecnologie
dell'Informazione (divisione 4a) LABORATORIO
RADIODIFFUSIONE SONORA E TELEVISIVA

 **PATENTED** (n° 13160398.7)
COMPLIANCE WITH THE REGULATIONS CEI 100-7 CERTIFIED
ISCOM issued by the Institute of Communications and Informa-
tion Technology (division 4a)

 **Brevetés** (n° 13160398.7)
Conformité avec la réglementation CEI 100-7 CERTIFIED IS-
COM délivré par l'Institut des communications et technologies
de l'information (4a division)

 **PATENTADO** (n° 13160398.7)
CUMPLIMIENTO DE LA NORMATIVA CEI 100-7 CERTIFIED IS-
COM emitido por el Instituto de Comunicaciones y Tecnologías
de la Información (división 4a)



5350-FLTEF



5351-FLTEZ



5352-FLTESP



LBF 5G



5354-3FLTEF



5355-3FLTEZ

MODELLO
CODICE

FLTEF	FLTEZ	FLTESP	3FLTEF	3FLTEZ	LBF 5G
5350	5351	5352	5354	5355	5373

DESCRIZIONE	1 modulo LTE in ferro+PF5	1 modulo LTE in zama+PF5	1 modulo LTE box plastico	3 moduli LTE in ferro	3 moduli LTE in zama	
BANDA PASSANTE MINIMA	40 MHz ÷ 694 MHz				5 ÷ 694MHz	
BANDA DI ATTENUAZIONE	694 MHz ÷ 862 MHz				694 ÷ 2200MHz	
IMPEDENZA NOMINALE DI INGRESSO E USCITA	75 ohm				75 ohm	
PERDITA DI INSERZIONE	< = 1,5 dB da 470 a 786 MHz				<1,5dB	
RETURN LOSS IN INGRESSO	> = 10 dB da 470 a 790 MHz				> 12dB	
MASSIMA DISEGUALIZZAZIONE DELLA RISPOSTA IN AMPIEZZA ALL'INTERNO DEL Ch.48 (694-862MHz)	6 dB					
MASSIMA VARIAZIONE DI RITARDO DI GRUPPO ENTRO IL Ch.48 (694-862 MHz)	60 ns					
ATTENUAZIONE MINIMA DEL FILTRO NELLA BANDA LTE	> = 30 dB da 793 MHz a 860 MHz				> = 80dB	



Amplificatori finali di potenza banda VHF alimentazione +24Vcc

- VHF band final power amplifiers power supply +24Vcc
Amplificateurs final de puissance bande VHF alimentation +24Vcc
Amplificadores final de potencia banda VHF alimentaciòn +24Vcc

FVHF11

- Amplificatori finalil di potenza per impianto centralizzato, in banda VHF, con chiusure in pressofusione. Regolazione con attenuatore 0÷20 dB. Tecnologia SMD. Connettori IEC 9,5 mm femmina.

- VHF band final power amplifiers for centralized installations, die-casting case. 0÷20 dB attenuator adjustment. SMT technology. IEC 9,5 mm female connectors.

- Amplificateurs de puissance pour installations centralisées, en bande VHF et couverture en moulage sous pression. Régulation avec atténuateur 0÷20 dB. Technologie SMD. Connecteurs IEC 9,5 mm femelle.

- Amplificadores final de potencia por instalaciòn colectiva, en banda VHF, chasis en aleaciòn. Regulaciòn con atenuador 0÷20 dB. Tecnologia en SMD. Conectores IEC 9,5 mm hembra.



MODELLO CODICE	FVHF17N 5655	F5VHF 6196	FVHFS10 6441	FVHF11 6765
BANDA BANDA	VHF			
GUADAGNO GAIN	50dB	40dB	42dB	43dB
LIVELLO USCITA LEVEL OUTPUT	124dBμV	119dBμV	119dBμV	122dBμV
REGOLAZ. PENDENZA TILT REGULATION	-	-	-	SI/yes
TRAPPOLA FM FM NOTCH	-	SI/yes	-	-
R.O.S. V.S.W.R.	-	-	-	-
ASSORBIMENTO CURRENT	350mA	160mA	160mA	280mA
ADATTO PER SERIE SUITABLE FOR SERIE	"F5" - "C" - "S"	-	-	-
ALIMENTAZIONE POWER SUPPLY	+24Vcc			
MONTAGGIO MOUNTING	BARRA DIN (din bar) PIASTRE (plates) PDF-PDE3/6... ARMADI(boxes)			
DIMENSIONI E PESO SIZE & WEIGHT	138x102x32mm 0,8Kg (150x96x32 0,8Kg MICHELANGELO)			



Amplificatori finali di potenza banda UHF alimentazione +24Vcc

- UHF band final power amplifiers power supply +24Vcc
 Amplificateurs final de puissance bande UHF alimentation +24Vcc
 Amplificadores final de potencia banda UHF alimentaciòn +24Vcc

FU17N

- Amplificatori finalil di potenza per impianto centralizzato, in banda UHF, con chiusure in pressofusione. Regolazione con attenuatore 0÷20 dB. Tecnologia SMD. Connettori IEC 9,5 mm femmina.

- UHF band final power amplifiers for centralized installations, die-casting case. 0÷20 dB attenuator adjustment. SMT technology. IEC 9,5 mm female connectors.

- Amplificateurs de puissance pour installations centralisées, en bande UHF et coperture en moulage sous pression. Régulation avec atténuateur 0÷20 dB. Technologie SMD. Connecteurs IEC 9,5 mm femelle.

- Amplificadores final de potencia por instalaciòn colectiva, en banda UHF, chasis en aleaciòn. Regolacion con atenuador 0÷20 dB. Tecnologia en SMD. Conectores IEC 9,5 mm hembra.



MODELLO
CODICE

FU17N
5659

F5U6
6197

FUS17
6440

FU11
6766

BANDA

UHF

BANDA

GUADAGNO

GAIN

50dB

36dB

50dB

42dB

LIVELLO USCITA

LEVEL OUTPUT

124dBμV

114dBμV

124dBμV

120dBμV

PASSAGGIO MIX

MIX PASSAGE

VHF

VHF

10-400MHz

10-400MHz

TRAPPOLA FM

FM NOTCH

-

-

-

SI/yes

R.O.S.

V.S.W.R.

10dB

12dB

10dB

10dB

ASSORBIMENTO

CURRENT

330mA

140mA

350mA

280mA

ADATTO PER SERIE

SUITABLE FOR SERIE

"F5"- "C"- "S"

ALIMENTAZIONE

POWER SUPPLY

+24Vcc

MONTAGGIO

MOUNTING

BARRA DIN (din bar) PIASTRE (plates) PDF-PDE3/6... ARMADI (boxes)

DIMENSIONI E PESO

SIZE & WEIGHT

138x102x32mm 0,5Kg (150x96x32 0,8Kg MICHELANGELO)



Amplificatori finali di potenza banda VHF-UHF ampl.separata alimentaz. +24Vcc

VHF-UHF band separated amplification final power amplifiers power supply +24Vcc

Amplificateurs final de puissance bande VHF-UHF amplif. séparée alimentat. +24Vcc

Amplificadores final de potencia banda VHF-UHF amplific. separ. alimentaciòn +24Vcc

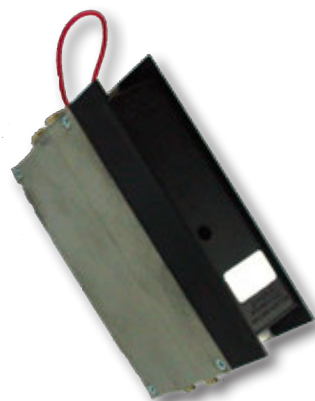
Amplificatori finalil di potenza per impianto centralizzato, in banda VHF-UHF, con chiusure in pressofusione. Regolazione con attenuatore 0÷20 dB. Tecnologia SMD. Connettori IEC 9,5 mm femmina.

VHF-UHF band final power amplifiers for centralized installations, die-casting case. 0÷20 dB attenuator adjustment. SMT technology. IEC 9,5 mm female connectors.

Amplificateurs de puissance pour installations centralisées, en bande VHF-UHF et couverture en moulage sous pression. Régulation avec atténuateur 0÷20 dB. Technologie SMD. Connecteurs IEC 9,5 mm femelle.

Amplificadores final de potencia por instalaciòn colectiva, en banda VHF-UHF, chasis en aleaciòn. Regulaciòn con atenuador 0÷20 dB. Tecnologia en SMD. Conectores IEC 9,5 mm hembra.

F5VU6 28/39



MODELLO
CODICE

F5VU6 28/28
6195

F5VU6 28/39
6195

F5VU6 39/39
6195

F5VU6M
6840

BANDA

VHF-UHF

BANDA

GUADAGNO

GAIN

VHF 28-UHF 28

VHF 28-UHF 39

VHF 39-UHF 39

VHF 28-UHF 40

LIVELLO USCITA

LEVEL OUTPUT

116dBμV

116dBμV

116dBμV

122dBμV

PASSAGGIO MIX

MIX PASSAGE

-

-

10-400MHz

-

TRAPPOLA FM

FM NOTCH

SI/yes

SI/yes

SI/yes

SI/yes

R.O.S.

V.S.W.R.

10dB

10dB

10dB

10dB

ASSORBIMENTO

CURRENT

180mA

190mA

250mA

220mA

ADATTO PER SERIE

SUITABLE FOR SERIE

"F5"- "C"- "S"

ALIMENTAZIONE

POWER SUPPLY

+24Vcc

MONTAGGIO

MOUNTING

BARRA DIN (din bar) PIASTRE (plates) PDF-PDE3/6... ARMADI(boxes)

DIMENSIONI E PESO

SIZE & WEIGHT

138x102x32mm 0,5Kg (150x96x32 0,8Kg MICHELANGELO)



- Alimentatori stabilizzati per centralini canalizzati**
- D.C. stabilized power supplies for centralized installations
 - Alimentations stabilisées pour installations centralisées
 - Fuentes de alimentación para instalación colectiva

- Alimentatori stabilizzati per centralini canalizzati, tensione di rete 230 Vac 50 Hz, montaggio su piastra, tensioni d'uscita a +12Vcc e +24Vcc, spina italiana o shuco.**
A richiesta tensione d'ingresso 110 Vac 60 Hz.

- D.C. stabilized power supplies for centralized installations, network voltage 230 VAC 50 Hz, suitable for bases-mounting, output voltages +12Vcc and +24Vcc, shuco or italian plug. On request input voltage 110 Vac 60 Hz.

- Alimentations stabilisées pour installations centralisées, voltage 230 VAC 50 Hz, montage sur plaque de support, voltage de sortie à +12Vcc et +24Vcc, spine italienne ou shuco. Su requete voltage d'entrée 110 Vac 60 Hz.

- Fuentes de alimentación para instalación colectiva, tensión d'entrada 230 VAC 50 Hz, montaje su bastidor, tensión de salida a +12Vcc y +24Vcc, spine italiana o shuco. Su demanda tensión d'entrada 110 Vac 60 Hz.



A24V2000



A24V1200
A12V1900

A24V1000



MODELLO CODICE	A24V1000 5066	A24V2000 5146	A12V2500 5063	A12V1900 6867	A24V1200 6866		A24V1000F 5066	A24V2000F 5146
TENSIONE USCITA OUTPUT VOLT.	+24V	+24V	+12V-+24V	+12V	+24V		+24V	+24V
CORR. USCITA OUTPUT CURRENT	1A	2A	2A-500mA	1,9A	1,2A		1A	2A
RESIDUO RIPPLE	≤30mVpp	≤50mVpp	≤50mVpp	≤50mVpp	≤50mVpp		≤30mVpp	≤50mVpp
ALIMENTAZIONE POWER SUPPLY				230VAC				
SPINA PLUG	ITALIAN					SHUCO		
TECNOLOGIA TECHNOLOGY	NORMAL			SWITCHING		NORMAL		
MONTAGGIO MOUNTING	BARRA DIN (din bar) PIASTRE (plates) PDF-PDE3/6... ARMADI (boxes)							
DIMENSIONI E PESO SIZE&WEIGHT	148x97x72 1,5Kg	185x97x72 2,4Kg	185x97x72 2,4Kg	130x32x72 1Kg	130x32x72 1Kg		148x97x72 1,5Kg	185x97x72 2,4Kg



CENTRALIZZATO PREAMPLIFICATORI TELEALIMENTATI

3B elettronica



- Preamplificatori di banda telealimentati**
- Telepowering band pre-amplifiers
- Preamplificateurs de bande téléalimenté
- Preamplificadores de banda telealimentados

- Preamplificatori di banda ad innesto telealimentati. Connettori IEC 9,5 mm maschio-femmina oppure "F" maschio-femmina.**

- Telepowering plug-in band pre-amplifiers. IEC 9,5 mm male-female connectors or "F" male-female connectors.

- Preamplificateurs de bande pour inneste téléalimenté . Connecteurs IEC 9,5 mm male-femelle ou "F" male-femelle.

- Preamplificadores de banda telealimentados a inesto. Conectores IEC 9,5 mm macho-hembra o "F" macho-hembra.



Connettori "F" maschio / femmina - "F" male/female connectors Connecteurs "F" male/femelle - Conectores "F" macho/hembra

CIA1F	CIA3F	CIAF	CIA2F	3CIAF	CCIA1F	CCIA3F	CCIAF	CCIA2F	3CCIAF
6595	6596	6597	6598	6599	6600	6601	6602	6603	6604

Connettori IEC 9,5 mm maschio / femmina - IEC 9,5 mm male/female connectors
Connecteurs IEC 9,5 mm male/femelle - Conectores IEC 9,5 mm macho/hembra

MODELLO	CIA1	CIA3	CIA	CIA2	3CIA	CCIA1	CCIA3	CCIA	CCIA2	3CCIA
CODICE	5479	5477	5463	5915	5917	5260	5261	5259	5915	5792

INGRESSI BI										
BI INPUTS	20dB	-	-	-	-	20dB	-	-	-	-
INGRESSI BIII										
BIII INPUTS	-	20dB	-	-	-	-	20dB	-	-	-
INGRESSI UHF										
UHF INPUTS	-	-	9dB	18dB	28dB	-	-	9dB	18dB	28dB
ASSORBIMENTO										
CURRENT	30mA	30mA	30mA	60mA	110mA	30mA	30mA	30mA	60mA	110mA
ALIMENTAZIONE										
POWER SUPPLY	+12Vcc					+24Vcc				
MONTAGGIO										
MOUNTING	CIA...CCIA.. AD INNESTO (PLUG-IN)-CONNETTORI IEC 9,5mm					CIAF...CCIAF... A VITE (BY SCREW)-CONNETTORI "F"				
DIMENSIONI E PESO										
SIZE & WEIGHT	60x25x20mm	0,1Kg	107x25x20mm	0,1Kg	60x25x20mm	0,1Kg	107x25x20mm	0,1Kg		



Preamplificatori di banda con alimentazione esterna a filo

- Wire external supply band pre-amplifiers
- Preamplificateurs de bande avec alimentation à fil
- Preamplificadores de banda con alimentación externa a filo

Preamplificatori di banda ad innesto con alimentazione esterna a filo. Connettori IEC 9,5 mm maschio-femmina oppure "F" maschio-femmina.

Wire external supply plug-in band pre-amplifiers. IEC 9,5 mm male-female connectors or "F" male-female connectors.

Preamplificateurs de bande pour inneste avec alimentation à fil . Connecteurs IEC 9,5 mm male-femelle ou "F" male-femelle.

Preamplificadores de banda con alimentación externa a filo a inesto. Conectores IEC 9,5 mm macho-hembra o "F" macho-hembra.



Connettori "F" maschio / femmina - "F" male/female connectors Connecteurs "F" male/femelle - Conectores "F" macho/hembra

CIA3PF	CIAPF	CIA2PF	3CIAPF	CCIA3PF	CCIAPF	CCIAP2F	3CCIAPF
6591	6592	6594	6606	6590	6608	6609	6610

Connettori IEC 9,5 mm maschio / femmina - IEC 9,5 mm male/female connectors

Connecteurs IEC 9,5 mm male/femelle - Conectores IEC 9,5 mm macho/hembra

MODELLO	CIA3P	CIAP	CIAP2	3CIAP	CCIA3P	CCIA3P10	CCIAP	CCIAP2	3CCIAP
CODICE	5475	5462	5918	5704	5017	5020	5015	5262	5701

INGRESSI BI	-	-	-	-	-	-	-	-	-
BI INPUTS									
INGRESSI BIII	20dB	-	-	-	20dB	10dB	-	-	-
BIII INPUTS									
INGRESSI UHF	-	9dB	18dB	28dB	-	-	9dB	18dB	28dB
UHF INPUTS									
ASSORBIMENTO	30mA	30mA	60mA	110mA	30mA	30mA	30mA	60mA	110mA
CURRENT									
ALIMENTAZIONE	+12Vcc				+24Vcc				
POWER SUPPLY									
MONTAGGIO	CIA...CCIA.. AD INNESTO (PLUG-IN)-CONNETTORI IEC 9,5mm								
MOUNTING	CIAF...CCIAF... A VITE (BY SCREW)-CONNETTORI "F"								
DIMENSIONI E PESO	60x25x20mm	0,1Kg	107x25x20mm	0,1Kg	60x25x20mm	0,1Kg	107x25x20mm	0,1Kg	
SIZE & WEIGHT									



CENTRALIZZATO TRAPPOLE E FILTRI

3B elettronica



Trappole e filtri di banda o di canale

- Band or channel notches and filters
- Filtres réjcteurs et filtres de bande ou canal
- Filtros de trampa y filtros de canal

Trappole e filtri di banda o di canale. Connettori IEC 9,5 mm maschio-femmina e "F"

Band or channel notches & filters. IEC 9,5 mm male-female, "F" connectors.

Filtre réjcteurs de bande ou canal. Connecteurs IEC 9,5 mm male-femelle, "F".

Filtros de trampa y de canal. Conectores IEC 9,5 mm macho-hembra, "F".



TRAPPOLE



FILTRI

Trappole di banda o di canale - Band or channel notches - Filtres réjcteurs de bande ou canal - Filtros de trampa "F"

CTR4F CTR5F
6893 6894

TR2RTF
6896

Trappole di banda o di canale - Band or channel notches - Filtres réjcteurs de bande ou canal - Filtros de trampa IEC 9,5mm

MODELLO	CTR3	CTR4	CTR5	CFM	TR1RT	TR2RT	TR2RT3	TR3RT	TR38RT
CODICE	5705	5706	5707	5474	5571	5572	6696	6824	5473

BANDA	BAND	BIII	BIV	BV	FM	BIV-BV	BIV-BV	BIII	BIV-BV	BIV-BV
N° CANALI	N° CHANNELS	1	1	1	-	1	2	1...4	3	1
N° CELLE	N° CELLS	2	2	2	-	2	2	4	4	4
PERDITA INSERZ.	INSERT. LOSS	0,5dB	1dB	1dB	1dB	1dB	1dB	1dB	1dB	1dB
ATTEN. TRAPPOLA	NOTCH ATTEN.	10dB	10dB	10dB	30dB	10dB	10dB	10dB	10dB	10dB
MONTAGGIO	MOUNTING	CTR...TR... AD INNESTO (PLUG-IN)-CONNETTORI IEC 9,5mm MASCHIO/FEMMINA CTR...F TR...F AD INNESTO (PLUG-IN)-CONNETTORE "F"								
DIMENSIONI E PESO	SIZE & WEIGHT	60x25x20mm 0,1Kg			107x25x20mm 0,1Kg				95x38x32mm 0,1Kg	

Filtri di canale-Channel filters-Filtres de canal-Filtros de canal "F"

F2RTF
6895

Filtri di banda - Band filters - Filtres de bande- Filtros de banda

Filtri di canale-Channel filters-Filtres de canal-Filtros de canal IEC 9,5mm

MODELLO	CF1	CF3	CF4	CF5	CF3U	CF...	CF...M/F	F1RT	F2RT	F2RP	F2RQ	F3RT	F2RT4	F2RT5	F2ST
CODICE	5255	5256	5257	5258	5570	5253	5248	5772	5641	6671	6695	6825	6061	6062	6417
BANDA	BAND	BI	BIII	BIV	BV	BIII+U	UHF	BIV	BV o UHF	UHF	BIV	BIV	UHF	BIV	BV BIII IND.
N° CANALI	N° CHANNELS	-	-	-	-	-	1	-	1	2	2(MIX)	1+2FIL	3	2	2
ATTENUAZIONE dB	ATTENUATION dB	0,5	1,5	1,5	1,5	1,5	3,6	1,5	5	5	5	5	5	5	5
MONTAGGIO	MOUNTING	CF...F1R..F2R..F3R AD INNESTO (PLUG-IN)-CONNETTORI IEC 9,5mm MASCHIO/FEMMINA F1R...F AD INNESTO (PLUG-IN)-CONNETTORE "F"													
DIMENSIONI E PESO	SIZE & WEIGHT	60x25x20mm 0,1Kg						107x25x20mm 0,1Kg							




CENTRALIZZATO ATTENUATORI

3B elettronica





Attenuatori RF e audio da innesto e a vite


 Plug-in and screws RF attenuators and audio


 Atténuateurs RF et audio pour innéste et à vis

 Atenuadores RF y audio a inesto y a tornillas

 Attenuatori banda 40÷860 MHz e banda SAT da innesto (connettori IEC) e a vite (connettori F).

 40÷860 MHz band and SAT band plug-in (IEC connectors) or screws (F connectors) attenuators.

 Atténuateurs bande 40÷860 MHz et bande SAT pour innéste (connecteurs IEC) ou à vis (connecteurs F).

 Atenuadores banda 40÷860 MHz y banda SAT a inesto (conectores IEC) o a tornillas (conectores F).



MODELLO
CODICE

AA9 5158	AD9 5163	AD9MF 6857	AD9F/AD9S 6416/5164	AV9 5202	AU9 5722	AAA9 5162	CTILT 6586
-------------	-------------	---------------	------------------------	-------------	-------------	--------------	---------------

INGRESSO INPUT	RF	RF (CONN.F)	SAT	RF	RF	AUDIO	VHF-UHF
IMPEDENZA IMPEDANCE	75ohm	75ohm	75ohm	75ohm	75ohm	600ohm	75ohm
ATTENUATORE ATTENUATOR	0÷20dB	0÷20dB	0÷20dB	0÷20dB VHF	0÷20dB UHF	0÷3V AUDIO	TILT
ESECUZIONE REALIZATION	90°	DIRITTA / straight				90°	
CONNETTORI CONNECTORS			CONNETTORI IEC 9,5mm MASCHIO/FEMMINA				
MONTAGGIO MOUNTING			AD INNESTO/plug-in				
DIMENSIONI E PESO SIZE & WEIGHT			60x25x20mm 0,1Kg				

Piastre di supporto

Support bases

Plaques de support

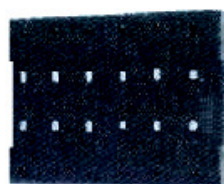
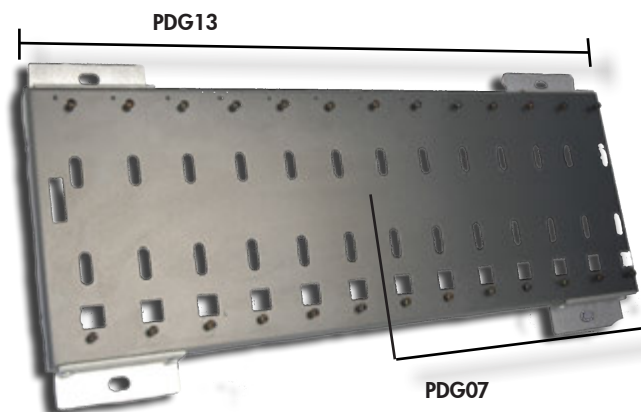
Bastidores

Piastre di base in ABS ignifugo, lamiera zincata o lamiera verniciata grigio scuro. Tutte le piastre per ciascuna serie sono unibili per mezzo di piastrine di fissaggio.

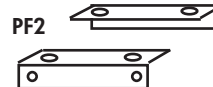
Support bases in fireproof ABS, zinc plated steel or gray painted steel. All the bases for each series are joinable by mean of fixing plates.

Plaques de support, en ABS, lamière zinguée ou lamière verniciée en gris. Tout les plaques de une série sont joignable par une platine pour le fixage.

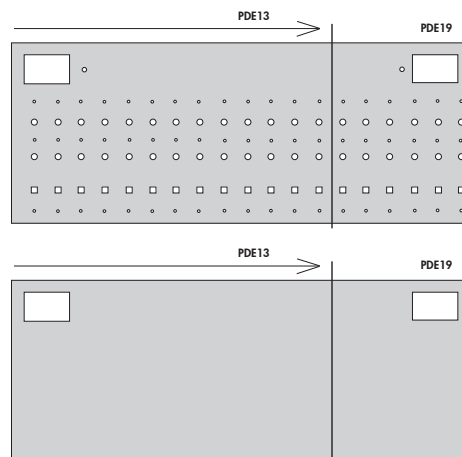
Bastidores en ABS, in lamiera ezincada o lamiera verniciada. Todas las bastidores soy unibles entre ellas con una acésorio en lamiera.



PDF



PF2



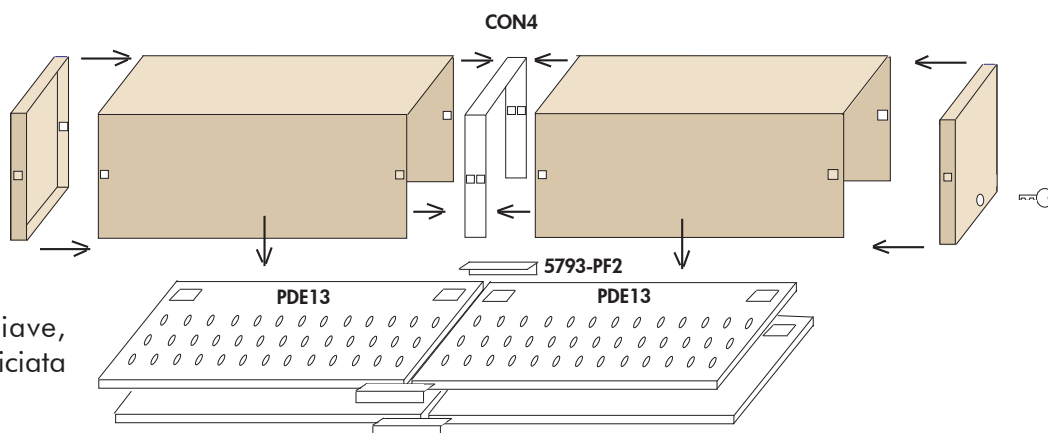
* In fase di ordine specificare se con o senza fori

MODELLO CODICE	PDE3 5902	PDE6 5906	PDF 5007	PDE13* 5574	PDE19* 5781	PDG07 6706	PDG13 6431	PDG19 6432
-------------------	--------------	--------------	-------------	----------------	----------------	---------------	---------------	---------------

N° POSTI N° PLACES	3	6	6	13	19	7	13	19
INNESTI PER UNIRE TOOLS TO JOIN	CODA DI RONDINE			KIT 5763-PF2		PIASTRA FISS. A MURO		
MATERIALE MATERIALS	ABS PLASTICA PLASTIC MATERIAL ABS			LAMIERA ZINCATA ZINC PLATED STEEL		LAMIERA VERNICIATA GRIGIA GRAY PAINTED STEEL		
MONTAGGIO h.20m MOUNTING h.20m	A MURO			IN ARMADIO O A MURO		IN ARMADIO O A MURO		
DIMENSIONI SIZE	102x60	202x60	2x193	430x300	640x300	300x150	430x150	640x150
PESO WEIGHT	34g	68g	0,1Kg	1,7Kg	2,4Kg	0,6Kg	1Kg	1,4Kg

Armadi con chiave

- Containers with key
- Coffrets avec serrure
- Cofres con llaves

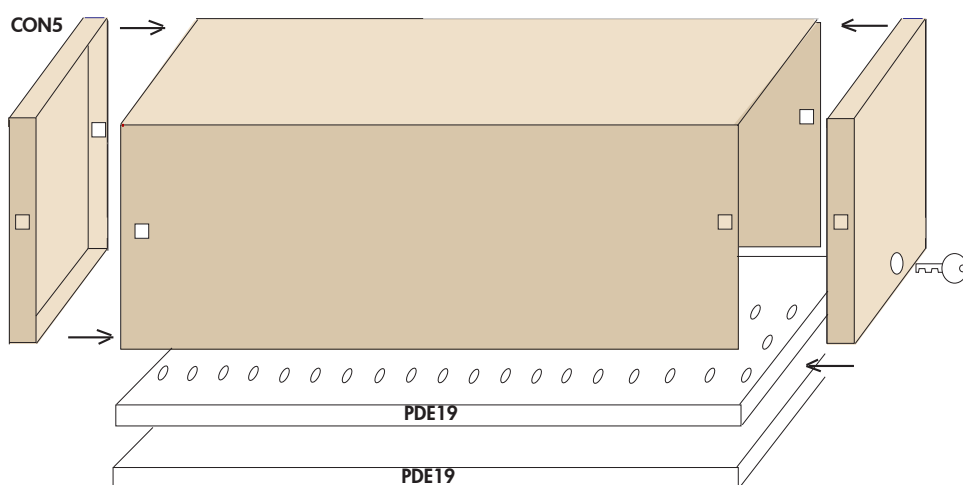


**Armadi con chiave,
in lamiera verniciata
colore beige.**

Containers with key, in light brown painted steel

Coffrets avec clef, en
lamière avec vernis beige.

Cofres con llaves, en
lamiera verniciada
color claro.



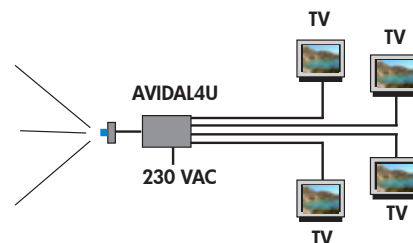
* In fase di ordine specificare se PDE13 o PDE19 con o senza fori

MODELLO CODICE	CON3 5183	CON4 5186	CON5 5782	CON6 5783	CON7 5784
N° POSTI N° PLACES	12	25	18	31	37
MATERIALE MATERIALS	LAMIERA VERNICIATA BEIGE CON CHIAVE (LIGHT BROWN PAINTED STEEL WITH KEY)				
PIASTRE PIASTRE	1 PDE13	2 PDE13	1 PDE19	1 PDE13+1 PDE19	2 PDE19
DIMENSIONI SIZE	450x310x170mm	880x310x170mm	660x310x170mm	1090x310x170mm	1300x310x170mm
PESO WEIGHT	3Kg	6Kg	5Kg	8Kg	10Kg



Accessori per la distribuzione dei segnali audio-video

- Accessories for audio-video signals distribution
- Accessoires pour la distribution des signaux audio-video
- Accesorios por la distribucion de los señales audio-video



Amplificatori video, invertitori, rivelatori e demodulatori

- Video amplifiers, inverters, detectors and demodulators
- Amplificateurs video, invertisseurs, rivelateurs et demodulateurs
- Amplificadores video, invertidores, riveladores y demoduladores



Amplificatori video regolabili autoalimentati 230 VAC - 230 VAC Video regulation amplifier

Amplificateur video autoalimenté 230 VAC - Amplificadores video autoalimentado 230 VAC

MODELLO CODICE	AVIDAL 6131	AVIDAL2U 6413	AVIDAL3U 6414	AVIDAL4U 6415
BANDA BAND	VIDEO			
INGRESSO VIDEO VIDEO INPUT	1 (ATTENUATORE 0÷20dB)			
USCITE VIDEO VIDEO OUTPUT	1 (ATT. 0÷20dB)	2 (ATT. 0÷20dB)	3 (ATT. 0÷20dB)	4 (ATT. 0÷20dB)
ALIMENTAZIONE POWER SUPPLY	230VAC 50Hz			
DIMENSIONE PESO SIZE & WEIGHT	127x85x32mm 0,7Kg			




Amplificat. video ad innesto, invertitore video, rivelatore video e demodulatori - Plug-in video amplifier, video inverter, video detector

Amplificateur video à inneste, invertiteur vidéo, rivelateur vidéo et demodulateurs - Amplif. video a inesto, invertid. video, rivel.

MODELLO CODICE	CIAMP 6132	INV 6101	RIVEL 5601	DEMAV 6156	DEMAV-NT 6405
BANDA BAND					PAL NTSC
INGRESSO VIDEO VIDEO INPUT	1 RCA FEMM.	1 RCA FEMM.	1 RCA FEMM.	1 IEC 9,5mm FEMM. 80dBμV	
USCITE VIDEO VIDEO OUTPUT	1 (ATT. 0÷20dB)	1 RCA FEMM.	1 RCA FEMM.	1 AUDIO 0,6V - 1 VIDEO 1V	
ALIMENTAZIONE POWER SUPPLY	+12Vcc 140mA	+24Vcc 30mA	+24Vcc 150mA	+24Vcc 250mA	
DIMENSIONE SIZE	107x20x30mm	84x68x30mm	138x68x30mm	195x72x32mm	



Accessori per la ricezione da satellite

-  Satellite receiving items
-  Articles pour la réception da satellite
-  Material por la recepcion da satélite



Articoli per ricezione da satellite

La 3B Elettronica produce una vasta gamma di articoli per la ricezione da satellite, ricevitori digitali per impianto centralizzato DVB-S, multiswitches, convertitori, parabole, prese singole e demiscelate e tappi plastici compatibili con le più note serie in commercio, partitori e derivatori con connettori "F" e accessori.



Satellite receiving items

3B Elettronica produces a wide range of items for satellite receiving, digital receivers for centralized installations DVB-S, multiswitches, LNB, parabolic antennas, single and de-mix plugs and compatibles plastic caps of the series in commerce, taps and splitters with "F" connectors and accessories.



Articles pour le réception da satellite

Le 3B Elettronica produce une vaste gamme de articles pour la réception da satellite, récepteurs numériques pour installations centralisées DVB-S, multiswitches, convertisseurs, antenne paraboliques, prises single et de-mix et bouchons en plastique compatibles avec le séries en commerce, répartiteurs et dérivateurs avec connecteurs "F" et accessoires



Material por la recepcion da satélite

la 3B Elettronica produce una vasta gamma de materiales por la recepcion da satélite, receptores digitales para instalacion colectiva DVB-S, multiswitches, convertidores, antenas parabolicas, tomas singula y demiscelada y tapo en plastica compatibles con las mas notas series in comercio, repartidores y derivadores con conectores "F" y acésorios.



Miscelatori, amplificatori e demiscelatori TV-SAT con passaggio di cc sulla banda IF-SAT

TV-SAT mix, amplifier and de-mixer with cc passage on IF-SAT band

Mélangeurs, amplificateurs et de-mélangeurs TV-SAT avec passage de cc sur la bande IF-SAT

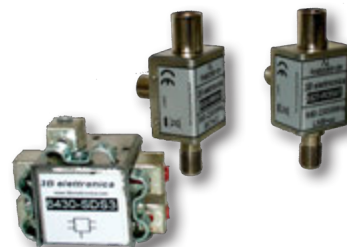
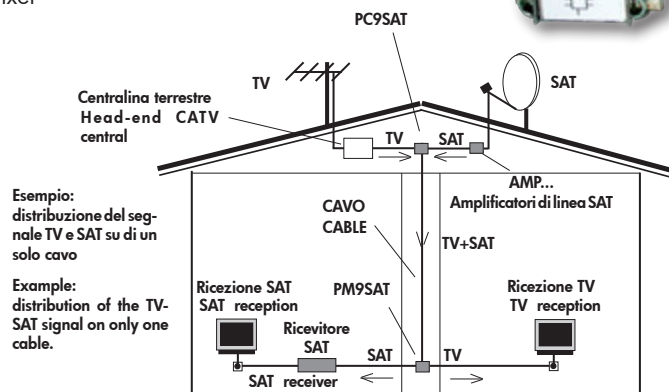
Mezclador, amplificadores y demezclador TV-SAT con pasajo de cc su la banda IF-SAT

Miscelatori, amplificatori e demiscelatori TV-SAT

TV-SAT mix, amplifier and de-mixer

Mélangeurs, amplificateurs et de-mélangeurs bande TV-SAT

Mezclador, amplificadores y demezclador TV-SAT



MODELLO
CODICE

PC9SAT
5827

PM9SAT
5826

SDS1
6428

SDS2
6429

SDS3
6430

TIPO TYPE	MISCELATORE	DEMISCELATORE	MISCELATORE
INGRESSO SAT SAT INPUT	1 CONN. "F" FEMM.	-	1 MORSETTO A VITE
INGR. TV 40÷860 40÷860 TV INPUT	1 CONN. IEC 9,5mm F.	-	1MORS. A VITE 2MORS. A VITE 3MORS. A VITE
USCITA MIX-SAT+TV MIX-SAT+TV OUTPUT	1 CONN. "F" FEMM.	-	-
USCITA SAT SAT OUTPUT	-	1 CONN. "F" FEMM.	-
USCITA TV 40÷860 40÷860 TV OUTPUT	-	1 CONN. "F" FEMM.	-
ENTRATA MIX-SAT+TV MIX-SAT+TV INPUT	-	1 CONN. IEC 9,5mm F.	-
DIMENSIONI SIZE	60x40x25mm	68x33x25mm	51x38x28mm

MODELLO
CODICE

AMP
5514

AMP-F
5516

FREQUENZA FREQUENCY	750 ÷ 2300MHz
GUADAGNO GAIN	18dB
ALIMENTAZIONE POWER SUPPLY	15 ÷ 18Vcc TELEPOWERING
CONSUMO CURRENT	45mA
CONNETTORI CONNECTORS	2 "N" FEMM. 2 "F" FEMM.
DIMENSIONI E PESO SIZE & WEIGHT	68x20x25mm 0,1Kg










SATELLITE
PARABOLE

3B elettronica




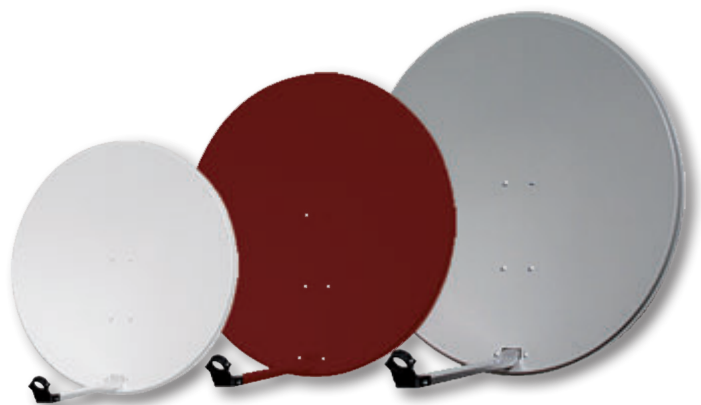
-  **Parabole**
-  Parabolic antennas
-  Paraboles
-  Parabolas

 **Antenne paraboliche**

 Parabolic antennas

 Antennas parabolique

 Antenas parabolicas



Alluminio

MODELLO CODICE	PA08AL 9809	PA085AL 9810	AA10LO 9983
DIAMETRO DIAMETER	80cm	85cm	100cm
TIPO TYPE	AZ/EL	AZ/EL	AZ/EL
MODELLO MODEL	OFFSET		
DIAMETRO PALO POLE DIAMETER	60		
COLORE COLOUR	BIANCO (white)-ANTRACITE (dark gray)-ROSSO (red)		

Alluminio

MODELLO CODICE	AA12LO 9980	AA12LOPP 9990	AP12LO 9981	AA15LO 9988	AP15LO 9989	AA18LO 9992	AA24LO 9993
DIAMETRO DIAMETER	120cm	120cm	120cm	150cm	150cm	180cm	240cm
TIPO TYPE	TESTA PALO	PALO PASS.	POLARE	AZ/EL	AZ/EL	TESTA PALO	TESTA PALO
MODELLO MODEL	OFFSET						
DIAMETRO PALO POLE DIAMETER	60mm	60mm	76mm	76mm	76mm	114mm	76mm
COLORE COLOUR	BIANCO (white)-ANTRACITE (dark gray)-ROSSO (red)			BIANCO (white)			



SATELLITE

PRESE TV-SAT "IEC maschio"

3B elettronica

**Prese monofrutto TV-SAT banda 5-2400 MHz in pressofusione**

Die-casting 5-2400 MHz band TV-SAT one-place plugs

Prises à une place TV-SAT en moulage sous pression bande 5-2400 MHz

Tomas TV-SAT en fundicion de zamak 5-2400 MHz

PM ...

Prese TV-SAT con connettore IEC 9,5 mm MASCHIO

TV-SAT plugs with IEC 9,5 mm MALE connector

Prises TV-SAT avec connecteur IEC 9,5 mm MALE

Tomas TV-SAT con conector IEC 9,5 mm macho



PFFM

MODELLO
CODICEPFFM
6670TIPO
TYPE

PRESA TV "F" FEMMINA (int) - IEC MASCHIO (ext)

MODELLO
CODICE

PMC 6652	PMCC 6653	PM4 6654	PM7 6655	PM10 6656	PM14 6657	PM19 6658	PM22 6659
-------------	--------------	-------------	-------------	--------------	--------------	--------------	--------------

DERIVIZIONE
DERIVATION

COND.	PASS. cc	PARTIT.	-7dB	-10dB	-14dB	-19dB	-22dB
-------	----------	---------	------	-------	-------	-------	-------

PERDITA PASS.	4÷470MHz			1,5dB±1	1,5dB±1	1dB±0,5	1dB±0,5	1dB±0,5
PASS. LOSS	470÷860MHz			2dB±1,5	1,5dB±1	1dB±0,5	1dB±0,5	1dB±0,5
	950÷1750MHz	-	-	4dB	2,5dB±1,5	1,5dB±1	1dB±0,8	1dB±0,8
	1750÷2150MHz				3dB±2	1,5dB±1	1dB±0,8	1dB±0,8
	2150÷2400MHz				4,5dB±2	2dB±1	1,8dB±1	1,8dB±1

PERDITA DER.	4÷470MHz				10dB±1,5	14dB±1	17dB±1	20dB±1
DER. LOSS	470÷860MHz				10dB±1,5	15dB±2	18dB±2	21dB±2
	950÷1750MHz	0,5dB	0,5dB	-4dB	7dB±1	10dB±1,5	15dB±2,5	19dB±2
	1750÷2150MHz					11dB±2	15dB±2	19dB±2
	2150÷2400MHz					12dB±2	15dB±2	19dB±2

DIS. PR.-OUT	4÷470MHz							
PR.-OUT LOSS	470÷860MHz							
	950÷1750MHz	-	-	-	20dB	20dB	25dB	28dB
	1750÷2150MHz							
	2150÷2400MHz							

DIMENSIONI E PESO

71x35x29mm 0,1Kg

SIZE & WEIGHT



SATELLITE

PRESE TV-SAT "IEC femmina" e "F"

3B elettronica

**Prese monofrutto TV-SAT banda 5-2400 MHz in pressofusione**

- Die-casting 5-2400 MHz band TV-SAT one-place plugs
- Prises à une place TV-SAT en moulage sous pression bande 5-2400 MHz
- Tomas TV-SAT en fundicion de zamak 5-2400 MHz

PFFF



PF ...

Prese TV-SAT con connettore IEC 9,5 mm FEMMINA e F femmina

- TV-SAT plugs with IEC 9,5 mm FEMALE and f female connector
- Prises TV-SAT avec connecteur IEC 9,5 mm FEMELLE et F femelle
- Tomas TV-SAT con conector IEC 9,5 mm HEMBRA y F hembra

**connettore "F" femmina**

PFFC	PFFCC	PFF4	PFF7	PFF10	PFF14	PFF19	PFF22
6660	6661	6662	6663	6664	6665	6666	6667

connettore IEC 9,5mm femmina

PFC	PFCC	PF4	PF7	PF10	PF14	PF19	PF22
6644	6645	6646	6647	6648	6649	6650	6651

MODELLO
CODICE**DERIVZIONE**

DERIVATION	COND.	PASS. cc	PARTIT.	-7dB	-10dB	-14dB	-19dB	-22dB
PERDITA PASS. 4÷470MHz				1,5dB±1	1,5dB±1	1dB±0,5	1dB±0,5	1dB±0,5
PASS. LOSS 470÷860MHz				2dB±1,5	1,5dB±1	1dB±0,5	1dB±0,5	1dB±0,5
950÷1750MHz	-	-	4dB	2,5dB±1,5	1,5dB±1	1dB±0,8	1dB±0,8	1dB±0,8
1750÷2150MHz				3dB±2	1,5dB±1	1dB±0,8	1dB±0,8	1dB±0,8
2150÷2400MHz				4,5dB±2	2dB±1	1,8dB±1	1,8dB±1	1,8dB±1
PERDITA DER. 4÷470MHz					10dB±1,5	14dB±1	17dB±1	20dB±1
DER. LOSS 470÷860MHz					10dB±1,5	15dB±2	18dB±2	21dB±2
950÷1750MHz	0,5dB	0,5dB	-4dB	7dB±1	10dB±1,5	15dB±2,5	19dB±2	22dB±2
1750÷2150MHz					11dB±2	15dB±2	19dB±2	22dB±2
2150÷2400MHz					12dB±2	15dB±2	19dB±2	22dB±2
DIS. PR.-OUT 4÷470MHz								
PR.-OUT LOSS 470÷860MHz								
950÷1750MHz	-	-	-	20dB	20dB	25dB	28dB	28dB
1750÷2150MHz								
2150÷2400MHz								

DIMENSIONI E PESO

SIZE & WEIGHT

71x35x29mm 0,1Kg

MODELLO
CODICEPFFF
6669TIPO
TYPE

PRESA TV "F" FEMMINA (int) - "F" FEMMINA (ext)



SATELLITE

PRESE TV-SAT "IEC maschio-femmina"**3B elettronica****Prese monofrutto demiscelate TV-SAT banda 5-2400 MHz in pressofusione**

- Die-casting 5-2400 MHz band de-mix TV-SAT one-place plugs
- Prises à une place de-mix TV-SAT en moulage sous pression bande 5-2400 MHz
- Tomas separadoras TV-SAT en fundición de zamak 5-2400 MHz

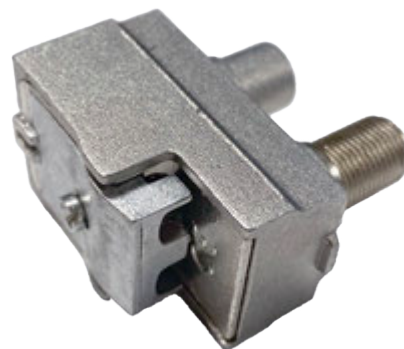
PRD ...

- Prese demiscelate TV-SAT con connettore IEC 9,5 mm maschio per ramo TV e "F" femmina per ramo SAT

- TV-SAT plugs with IEC 9,5 mm male connector for TV signals and "F" female for SAT signals.

- Prises TV-SAT avec connecteur IEC 9,5 mm male pour TV signals et "F" femelle pour SAT signals.

- Tomas TV-SAT con conector IEC 9,5 mm macho por el ramo TV y "F" hembra por ramo SAT.

MODELLO
CODICE

PRDC 6532	PRDCC 6533	PRD7 6535	PRD10 6536	PRD14 6537	PRD19 6538	PRD22 6539	PRDTS 6699
--------------	---------------	--------------	---------------	---------------	---------------	---------------	---------------

DERIVZIONE DERIVATION		PASS. cc ISOL. SU SAT		-7dB	-10dB	-14dB	-19dB	-22dB	-22dB
PERDITA PASS.	40÷860MHz			1,5dB±1	2dB±1,5	1,5dB±1	1dB±0,5	1dB±0,5	1dB±0,5
PASS. LOSS	950÷2200MHz	-	-	1,5dB±1	3dB±2	1,5dB±1	1dB±0,5	1dB±0,5	1dB±0,5
PERDITA DER.	40÷860MHz			7dB±2	10dB±2	14dB±2	18dB±2	22dB±2	1dB±0,5
DER. LOSS	950÷2200MHz	-	-	7dB±2	10dB±2	14dB±2	18dB±2	22dB±2	1dB±0,5
DIS. PR.-OUT	40÷860MHz								
PR.-OUT LOSS	950÷2200MHz	-	-	>65dB	>65dB	>65dB	>65dB	>65dB	>65dB
DIMENSIONI E PESO									
SIZE & WEIGHT		47x35x22mm 0,1Kg							



SATELLITE

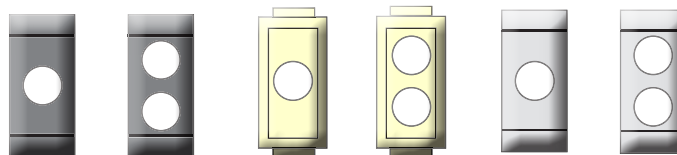
TAPPI SERIE TIPO "TICINO"**3B elettronica****Tappi compatibili per prese monofrutto serie tipo "TICINO"**

Compatibles caps for one-place plugs "TICINO" series

Bouchons compatibles pour prises à une place série "TICINO"

Tappo compatibles por tomas serie "TICINO"

Tappi plastici compatibili



Compatibles plastic caps



Bouchons en plastique compatibles

Tappi in plastica compatibili

Confezioni da 10 pezzi

Tutte le sigle e i marchi anche se non registrati sono di proprietà della Casa produttrice

Serie 1 foro tipo "TICINO"

MODELLO CODICE	TOLIN-GR 6694	TOLIG-BI 6693	TOLTH-AR 6692	TOMAG-AV 6691	TOLIV-GR 6690	TOLUN-BI 6689	TOLIND-GR 6688	TOLIGD-BI 6687
TIPO	LIV. INTER.	LIGHT	LIGHT TECH	MAGIC	LIV. CLASS.	LUNA	LIV. INT. DOP	LIGHT DOP
COLORE	GRIGIO	BIANCO	ARGENTO	AVORIO	GRIGIO	BIANCO	GRIGIO	BIANCO
COLOUR	GRIGIO	BIANCO	ARGENTO	AVORIO	GRIGIO	BIANCO	GRIGIO	BIANCO

Serie 2 fori tipo "TICINO"

MODELLO CODICE	TPLIN-2F 6560	TPLL-BI 6613	TPTEC-2F 6540	TPMAG-2F 6551	TPLIV-2F 6559	TPLUN-2F 6623	TPLIND-2F 6813	TPLIGD-2F 6814
TIPO	LIV. INTER.	LIGHT	LIGHT TECH	MAGIC	LIV. CLASS.	LUNA	LIV. INT. DOP	LIGHT DOP
COLORE	GRIGIO	BIANCO	ARGENTO	AVORIO	GRIGIO	BIANCO	GRIGIO	BIANCO
COLOUR	GRIGIO	BIANCO	ARGENTO	AVORIO	GRIGIO	BIANCO	GRIGIO	BIANCO

Serie 1 foro tipo "TICINO"

MODELLO CODICE	TOCH-TI 6884	TOCH-NE 6885	TOCH-BI 6886	TOLTHDAR 6686	TOMAT-BI 6698	TOMAG-TT 6810	TOAX-SC 6784	TOAX-CH 6785
TIPO	CHORUS	CHORUS	CHORUS	LIGHT TECH DOPPIO	MATI	MAGIC TT	AXOLUTE	AXOLUTE
COLORE	TITANIO	NERO	BIANCO	ARGENTO	BIANCO	BIANCO	SC GRIGIA	CH BIANCA
COLOUR	TITANIO	NERO	BIANCO	ARGENTO	BIANCO	BIANCO	SC GRIGIA	CH BIANCA

Serie 2 fori tipo "TICINO"

MODELLO CODICE	TPLIDT-2F 6815	TPMAT-2F 6707	TPMTT-2F 6708	TPAXS-2F 6788	TPAXC-2F 6787
TIPO	LIGHT TECH DOPPIO	MATIX	MAGIC TT	AXOLUTE	AXOLUTE
COLORE	ARGENTO	BIANCO	BIANCO	GRIGIO	BIANCA
COLOUR	ARGENTO	BIANCO	BIANCO	GRIGIO	BIANCA



SATELLITE

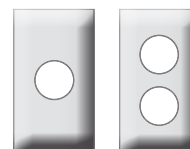
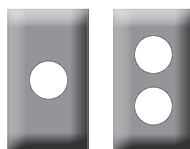
TAPPI SERIE TIPO "VIMAR-GEWISS"**3B elettronica****Tappi compatibili per prese monofrutto serie tipo "VIMAR" e "GEWISS"**

Compatibles caps for one-place plugs "VIMAR" and "GEWISS" series

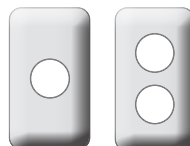
Bouchons compatibles for prises à une place série "VIMAR" et "GEWISS"

Tappo compatibles por tomas serie "VIMAR" y "GEWISS"

Tappi plastici compatibili



Compatibles plastic caps



Bouchons en plastique compatibles

Tappi in plastica compatibles

Confezioni da 10 pezzi

Tutte le sigle e i marchi anche se non registrati sono di proprietà della Casa produttrice

Serie 1 foro tipo "VIMAR"

MODELLO CODICE	TOVIM-GR 6685	TOVIM-IG 6684	TOVIM-80 6683	TOVIM-PL 6682	TOVIM-E 6811	TOVIM-EN 6812	TOVIM-EB 6909
TIPO TYPE	IDEA	IDEA	8000	PLANA	EIKON	EIKON NEXT	EIKON
COLORE COLOUR	GRIGIA	BIANCA	BIANCA	BIANCA	GRIGIO	BIANCO	BIANCO

Serie 2 fori tipo "VIMAR"

MODELLO CODICE	TPVID-2F 6615	TPVID-2F 6617	TPVIM-2F 6555	TPVPL-2F 6625	TPVIME-2F 6816	TPVIEN-2F 6817	TPVIEB-2F 6910
TIPO TYPE	IDEA	IDEA	8000	PLANA	EIKON	EIKON NEXT	EIKON
COLORE COLOUR	GRIGIA	BIANCA	BIANCA	BIANCA	GRIGIO	BIANCO	BIANCO

Serie 1 foro tipo "GEWISS"

MODELLO CODICE	TOGEW-PL 6676	TOGEW-BL 6677	TOGEW-WH 6678
TIPO TYPE	PLAYBUS	SYSTEM BLACK	SYSTEM WHITE
COLORE COLOUR	GRIGIA	GRIGIA	BIANCA

Serie 2 fori tipo "GEWISS"

MODELLO CODICE	TPGEW-2F 6557	TPGWBL-2F 6818	TPGWWH-2F 6819	TPCHNE-2F 6913	TPCHBI-2F 6914	TPCHTI-2F 6915
TIPO TYPE	PLAYBUS	SYSTEM BLACK	SYSTEM WHITE	CHORUS	CHORUS	CHORUS
COLORE COLOUR	GRIGIA	GRIGIA	BIANCA	NERO	BIANCO	TITANIO



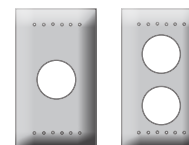
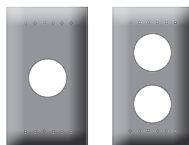
SATELLITE

TAPPI SERIE TIPO "AVE-LEGRAND-ABB"**3B elettronica****Tappi compatibili per prese monofrutto serie tipo "AVE", "LEGRAND" e "ABB"**

Compatibles caps for one-place plugs "AVE", "LEGRAND" e "ABB" series

Bouchons compatibles for prises à une place série "AVE", "LEGRAND" et "ABB"

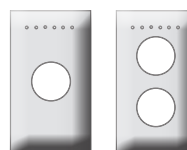
Tappo compatibles por tomas serie "AVE", "LEGRAND" y "ABB"

Tappi plastici compatibili

Compatibles plastic caps

Bouchons en plastique compatibles

Tappi in plastica compatibili

**Confezioni da 10 pezzi**

Tutte le sigle e i marchi anche se non registrati sono di proprietà della Casa produttrice

Serie 1 foro tipo "AVE"

MODELLO CODICE	TOAVE-AV 6674	TOAVE-BQ 6673	TOAVE-NR 6672	TOAVE-RL 6675
TIPO TYPE	SIST. 45 BLANC	SIST. 45 BANQUISE	SIST. 45 NOIR AX	SIST. 45 RAL
COLORE COLOUR	AVORIO	GRIGIO CHIARO	GRIGIO	RAL

Serie 2 fori tipo "AVE"

MODELLO CODICE	TPAVAV-2F 6821	TPAV-2F 6553	TPAVNR-2F 6820	TPAVRL-2F 6822
TIPO TYPE	SIST. 45 BLANC	SIST. 45 BANQUISE	SIST. 45 NOIR AX	SIST. 45 RAL
COLORE COLOUR	AVORIO	GRIGIO CHIARO	GRIGIO	RAL

Serie 1 foro tipo "LEGRAND"**Serie 1 foro tipo "ABB"**

MODELLO CODICE	TOLEG-CR 6679	TOLEG-VL 6680	TOLEG-BI 6681	TOABB-CH 6890	TOABB-EL 6891
TIPO TYPE	CROSS	VELA SCURA	VELA CHIARA	CHIARA	ELOS
COLORE COLOUR	GRIGIA	GRIGIA	BIANCA	BIANCO	SCURO

Serie 2 fori tipo "LEGRAND"**Serie 2 fori tipo "ABB"**

MODELLO CODICE	TPLEG-2F 6621	TPLVL-2F 6709	TPLVCH-2F 6823	TPABBE-2F 6911	TPABBC-2F 6912
TIPO TYPE	CROSS	VELA SCURA	VELA CHIARA	ELOS	CHIARA
COLORE COLOUR	GRIGIA	GRIGIA	BIANCA	GRIGIO	BIANCO



- Accessori SAT connettori e adattatori**
 SAT accessories connectors and accessories
 Accessoires SAT connecteurs et accessoires
 Accesorios SAT conectores y adaptadores

Accessori SAT - connettori - adattatori

SAT accessories - connectors - adapters

Accessoires SAT - connecteurs - adaptateurs

Accesorios SAT - conectores - adaptadores



Connettori per cavo TV-SAT - Connectors for TV-SAT cable - Connecteurs pour cable TV-SAT - Conectores por cavo TV-SAT

MODELLO CODICE	CMF-RAP 6879				CMF-CRG 6422		CMF-CRP 6423		CMASMA 5981	
TIPO TYPE	CONN. MASCHIO "F" INNESTO RAPIDO				CONN. MASCHIO "F" A CRIMPARE CAVO Ø 6,7mm		CONN. "F" MASCHIO A CRIMPARE CAVO Ø 5mm		CONN. "SMA" 90° MASCHIO A CRIMPARE	
MODELLO CODICE	CMF 5993		CMNM 5998		CMNP 5998		CMNG 5998		CMDSMA 5980	
TIPO TYPE	CONN. "F" MASCHIO A VITE		CONN. "N" MASCHIO 7mm		CONN. "N" MASCHIO 5mm		CONN. "N" MASCHIO 10,7mm		CONN. "SMA" DRITTO MASCHIO A CRIMPARE	
MODELLO CODICE	CFNP 5998			CFNM 5998		CFNG 5998				
TIPO TYPE	CONN. "N" MASCHIO 5mm			CONN. "N" MASCHIO 7mm		CONN. "N" MASCHIO 10mm				

Adattatori - Adapter - Adaptateur - Adaptadores

MODELLO CODICE	AFN-FN 5882	AFN-MF 5992	AFF-FF 6040	AMF-MF 6339	AMF-FN 5994	AMN-MN 5991	
TIPO TYPE	N FEMM. N FEMM.	N FEMM. F MASCH.	N FEMM. F MASCH.	F MASCH. F MASCH.	N MASCH. F FEMM.	N MASCH. N MASCH.	
MODELLO CODICE	SMAM-NF 5851	SMAF-FM 5851A	SMAM-FM 5851B	SMAF-FF 5851C	SMAM-FF 5881D	SMAF-SMAF 5881D	SMAF-NM 5865
TIPO TYPE	SMA MASCH. N FEMM.	SMA FEMM. F MASCH.	SMA MASCH. F MASCH.	SMA FEMM. F FEMM.	SMA MASCH. F FEMM.	SMA FEMM. SMA FEMM.	SMA FEMM. N MASCH.

**Connettori per cavo e resistenza di chiusura "F" 75 ohm - Cable connectors and "F" 75 ohm terminating resistors
 Connecteurs pour cable et résistance "F" 75 ohm - Conectores para cable y terminal de cierre "F" 75 ohm**

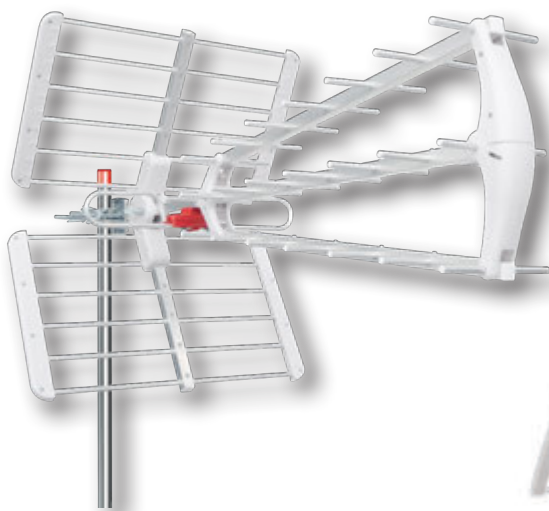
MODELLO CODICE	RCF 5990	RCN 5995	CMF5 6887	CMF7 6888
TIPO TYPE	RESIST. CHIUSURA 75 Ω "F" MASCH.	RESIST. CHIUSURA 50 Ω	CONN. MASCH. A VITE Ø 5mm	CONN. MASCH. A VITE Ø 7mm

Accessori per il montaggio cavi - Accessories for mounting cables - Accessoires montage du cables - Accesorios mont. cables

MODELLO CODICE	PCP 6421C
TIPO TYPE	PINZA A CRIMPARE PER CAVO LMR400, LMR240, HF195, RG58, RG59, RG142



-  **Antenne**
-  Antennas
-  Antenne
-  Antenas



Antenne TV

Antenna Tripla,
Antenna UHF
per impianti centralizzati e distribuzione del
segnale TV.



TV Antennas

Triple Antenna,
UHF Antenna
for centralized systems and distribution of TV signal.



Antenne TV

Triple antenne,
UHF antenne
pour les systèmes centralisés et de la distribution du
signal TV.



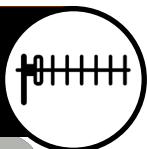
Antennas TV

Antena triple,
UHF Antena
para sistemas centralizados y distribución de señal de TV.



ANTENNE
UHF

3B elettronica




 **Antenne UHF**


 UHF antenna

 Antenne UHF

 Antena UHF



 Antenne UHF

 antenna UHF

 Antenne UHF

 Antena UHF

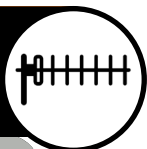


MODELLO CODICE	FALCO 9661	KITE 9665	FIT 9666
ELEMENTI ELEMENTS	35	13	15
CANALI CHANNELS	21 ÷ 48	21 ÷ 48	21 ÷ 48
LARG. BANDA FREQUENCY	470 ÷ 694 MHz	470 ÷ 694 MHz	470 ÷ 694 MHz
GUADAGNO GAIN	11 ÷ 16 dB	15 dB	14 dB
POLARIZZAZIONE BEAM WIDTH	H 45° / V 60°	H 60° / V 65°	H 38° / V 55°
IMPEDENZA IMPEDANCE	75 Ω	75 Ω	75 Ω
LUNGHEZZA LENGTH	960mm	815mm	660mm



ANTENNE
UHF

3B elettronica




 **Antenne UHF**

 UHF antenna

 Antenne UHF

 Antena UHF



 Antenna UHF



 antenna UHF





 Antenne UHF

 Antena UHF



MODELLO CODICE	3BLOGF 9653	DGT 9664
ELEMENTI ELEMENTS	28	10
CANALI CHANNELS	21 ÷ 48	21 ÷ 48
LARG. BANDA FREQUENCY	470 ÷ 694 MHz	470 ÷ 694 MHz
GUADAGNO GAIN	13 dB	14 dB
POLARIZZAZIONE BEAM WIDTH	H 35°-45°/ V 30°-40°	H 34°/ V 40°
IMPEDENZA IMPEDANCE	75 Ω	75 Ω
LUNGHEZZA LENGTH	1040mm	1006mm



-  **Articoli da palo**
-  **Mast items**
-  **Articles de mat**
-  **Material de mastil**



Articoli da palo

La 3B Elettronica produce una vasta gamma di articoli da palo, amplificatori in tutte le bande ed esecuzioni speciali, miscelatori, trappole, filtri passacanale e alimentatori. Tutti gli articoli per uso all'esterno sono in contenitori plastici antipioggia.



Articles de mat

Le 3B Elettronica produce une vaste gamme de articles de mat, amplificateurs in tout les bandes et spécial executions, mélangeurs, filtres réjécteurs de bande et alimentations. Tout les articles pour use à l'exterieur sont in conteniteurs plastique anti-pluie.



Mast items

3B Elettronica produces a wide range of mast items, amplifiers in all the bands and also special esecutions, mixers, notches, pass-channel filters and power supplies. All the outdoor items are in waterproof plastic case.



Material de mastil

la 3B Elettronica produce una vasta gamma de materiales de mastil, amplificadores en todas las bandes y ejecuciones especial, mezcladores, filtros de rechazo y fuentes de alimentaciones. Todas los materiales por uso externo son en contenidor plastico anti-lluvia.




ARTICOLI DA PALO

AMPLIFICATORI serie "AMX" CON SWITCH DI GUADAGNO


3B elettronica





Amplificatori da palo serie "AMX" alimentazione +12Vcc

 Mast amplifier "AMX" series +12Vcc power supply


 Amplificateurs de mat série "AMX" alimentation +12Vcc

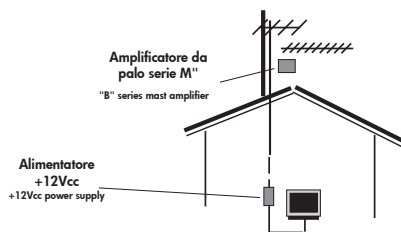
 Amplificadores de mástil serie "AMX" alimentación +12Vcc

 **Amplificatori da palo serie "AMX" in contenitore plastico antipioggia con coperchio e alimentazione +12Vcc tramite cavo di uscita.**

 Mast amplifier "AMX" series in waterproof plastic box with cover and +12Vcc power supply by output cable.

 Amplificateurs de mat série "AMX" in boîte plastique anti-pluie et couverture, alimentation +12Vcc sur le câble de sortie.

 Amplificadores de mástil "AMX" en contenedor plástico anti-ducha con cima y alimentación +12Vcc su el cable de salida



ARTICOLO	INGRESSI	OUT	Reg. UHF	Reg. BIV	Reg. BV	GUAD. (dB) UHF	REG dB	ASSORB. mA	+CC SMART	SIZE cm
M5301-AMXUU201	2	1	2	-	-	10/20	15	70	✓	14x13,5x5,5
M5302-AMXUU301	2	1	2	-	-	20/30	15	125	✓	14x13,5x5,5
M5303-AMXUU401	2	1	2	-	-	30/40	15	140	✓	14x13,5x5,5
M5304-AMX45U201	3	1	1	1	1	10/20	15	70	✓	14x13,5x5,5
M5305-AMX45U301	3	1	1	1	1	20/30	15	125	✓	14x13,5x5,5
M5306-AMX45U401	3	1	1	1	1	30/40	15	140	✓	14x13,5x5,5



ARTICOLI DA PALO

AMPLIFICATORI serie "MLOG"
AMPLIFICAZIONE SEPARATA**3B elettronica****Amplificatori da palo serie "M" alimentazione +12Vcc**

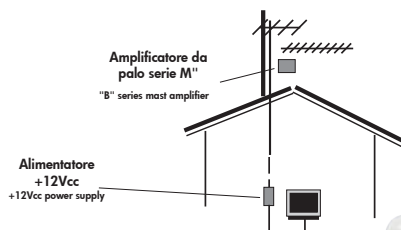
- Mast amplifier "M" series +12Vcc power supply
- Amplificateurs de mat série "M" alimentation +12Vcc
- Amplificadores de mástil serie "M" alimentación +12Vcc

- Amplificatori da palo serie "M" in contenitore plastico antipioggia con coperchio e alimentazione +12Vcc tramite cavo di uscita.

- Mast amplifier "M" series in waterproof plastic box with cover and +12Vcc power supply by output cable.

- Amplificateurs de mat série "M" in boîte plastique anti-pluie et coperture, alimentation +12Vcc sur le cable de sortie.

- Amplificadores de mástil en contenedor plástico anti-ducha con cima y alimentación +12Vcc su el cable de salida



ARTICOLO	INGRESSI	OUT	GUAD. (dB) LOG	Reg. LOG	Reg. BIII	Reg. UHF	GUAD. (dB) UHF	REG dB	ASSORB. mA
M5717-AMLOG101R	1	1	10	1	-	-	-	20	25
M5718-AMLOG201	1	1	20	-	1	1	-	20	100
M5719-AMLOG201R	1	1	20	1	-	-	-	20	50
M5720-AMLOG202	1	2	20	-	1	1	-	20	100
M5721-AMLOG202R	1	2	20	1	-	-	-	20	50
M5722-AMLOG301	1	1	30	-	1	1	-	20	150
M5723-AMLOG301R	1	1	30	1	-	-	-	20	110
M5724-AMLOG302	1	2	30	-	1	1	-	20	150
M5725-AMLOG302R	1	2	30	1	-	-	-	20	110
M5726-AMLOG401R	1	1	40	1	-	-	-	20	135
M5727-AMLOG402R	1	2	40	1	-	-	-	20	135
M5728-AMULOG201	2	1	20	-	1	2	20	20	100
M5729-AMULOG202	2	2	20	-	1	2	20	20	100
M5730-AMULOG301	2	1	30	-	1	2	30	20	150
M5731-AMULOG302	2	2	30	-	1	2	30	20	150



ARTICOLI DA PALO

AMPLIFICATORI serie "AS"
AMPLIFICAZIONE SEPARATA**3B elettronica****Amplificatori da palo serie "AS" alimentazione +12Vcc**

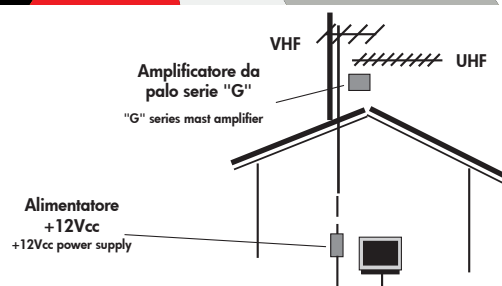
- Mast amplifier "AS" + 12Vcc power supply
- Amplificateurs de mat série "AS" alimentation + 12Vcc
- Amplificadores de mástil serie "AS" alimentacion + 12Vcc

Amplificatori da palo serie "AS" in contenitore plastico anti-pioggia con coperchio e alimentazione + 12Vcc tramite cavo di uscita.

Mast amplifier "AS" series in waterproof plastic box with cover and + 12Vcc power supply by output cable.

Amplificateurs de mat série "AS" in boîte plastique anti-pluie et couverture, alimentation + 12Vcc sur le cable de sortie.

Amplificadores de mastil en contenedor plastico anti-lluvia con cima y alimentacion + 12Vcc su el cable de salida



ARTICOLO	INGRESSI	OUT	GUAD. (dB) BIII	GUAD. (dB) BIV	GUAD. (dB) BV	GUAD. (dB) UHF	GUAD. (dB) UHF	ATT. dB	LIV. OUT dBμV	ASSORB. mA
S5501-ASUU251	2	1	-	-	-	25	25	20	122	140
S5502-ASUU351	2	1	-	-	-	35	35	20	122	180
S5503-AS3UU251	3	1	20	-	-	25	25	20	122	140
S5504-AS3UU351	3	1	30	-	-	35	35	20	122	180
S5505-AS45U251	3	1	-	25	25	25	-	20	122	140
S5506-AS45U351	3	1	-	35	35	35	-	20	122	180
S5507-AS345U251	4	1	20	25	25	25	-	20	122	140
S5508-AS345U351	4	1	30	35	35	35	-	20	122	180



ARTICOLI DA PALO

AMPLIFICATORI serie "TLOG"**3B elettronica****Amplificatori da palo serie "T" alimentazione +12Vcc**

Mast amplifier "T" +12Vcc power supply

Amplificateurs de mat série "T" alimentation +12Vcc

Amplificadores de mástil serie "T" alimentación +12Vcc

Amplificatori da palo serie "T" in contenitore plastico antipioggia con coperchio e alimentazione +12Vcc tramite cavo di uscita.

Mast amplifier "T" series in waterproof plastic box with cover and +12Vcc power supply by output cable.

Amplificateurs de mat série "T" in boîte plastique anti-pluie et co-perture, alimentation +12Vcc sur le cable de sortie.

Amplificadores de mástil en contenedor plastico anti-lluvia con cima y alimentación +12Vcc su el cable de salida



ARTICOLO	INGRESSI	OUT	GUAD. (dB) LOG	Reg. LOG	Reg. BIII	Reg. UHF	GUAD. (dB) UHF	REG dB	ASSORB. mA
T5845-ATLOG201	1	1	20	-	1	1	-	15	50
T5846-ATLOG201R	1	1	20	1	-	-	-	15	50
T5847-ATLOG202	1	2	20	-	1	1	-	15	50
T5848-ATLOG202R	1	2	20	1	-	-	-	15	50
T5849-ATLOG301	1	1	30	-	1	1	-	15	70
T5850-ATLOG301R	1	1	30	1	-	-	-	15	70
T5851-ATLOG302	1	2	30	-	1	1	-	15	70
T5852-ATLOG302R	1	2	30	1	-	-	-	15	70
T5853-ATULOG201	2	1	20	-	1	2	20	15	50
T5854-ATULOG202	2	2	20	-	1	2	20	15	50
T5855-ATULOG301	2	1	30	-	1	2	20	15	70
T5856-ATULOG302	2	2	30	-	1	2	20	15	70



ARTICOLI DA PALO

AMPLIFICATORI serie "T"**3B elettronica****Amplificatori da palo serie "T" alimentazione +12Vcc**

Mast amplifier "T" + 12Vcc power supply

Amplificateurs de mat série "T" alimentation + 12Vcc

Amplificadores de mástil serie "T" alimentacion + 12Vcc

Amplificatori da palo serie "T" in contenitore plastico antipioggia con coperchio e alimentazione + 12Vcc tramite cavo di uscita.

Mast amplifier "T" series in waterproof plastic box with cover and + 12Vcc power supply by output cable.

 Amplificateurs de mat série "T" in boîte plastique anti-pluie et co-
verture, alimentation + 12Vcc sur le cable de sortie. Amplificadores de mástil en contenedor plastico anti-lluvia con
cima y alimentacion + 12Vcc su el cable de salida

ARTICOLO	INGRESSI	OUT	GUAD. (dB) BIII	GUAD. (dB) BIV	GUAD. (dB) BV	GUAD. (dB) UHF	GUAD. (dB) CH.	REG dB	LIV. OUT dBμV	ASSORB. mA
T5801-ATU201	1	1	-	-	-	20	-	15	112	50
T5802-ATU202	1	2	-	-	-	20	-	15	112	50
T5803-ATU301	1	1	-	-	-	30	-	15	112	110
T5804-ATU302	1	2	-	-	-	30	-	15	112	110
T5805-ATU371	1	1	-	-	-	37	-	15	112	135
T5806-ATU372	1	2	-	-	-	37	-	15	112	135
T5807-AT3U201	2	1	18	-	-	20	-	15	112	50
T5808-AT3U202	2	2	18	-	-	20	-	15	112	50
T5809-AT3U301	2	1	24	-	-	30	-	15	112	50
T5810-AT3U302	2	2	24	-	-	30	-	15	112	50
T5811-AT3U371	2	1	34	-	-	37	-	15	112	70
T5812-AT3U372	2	2	34	-	-	37	-	15	112	70
T5813-ATUU201	2	1	-	-	-	20	-	15	112	50
T5814-ATUU202	2	2	-	-	-	20	-	15	112	50
T5815-ATUU301	2	1	-	-	-	30	-	15	112	50
T5816-ATUU302	2	2	-	-	-	30	-	15	112	50
T5817-ATUU371	2	1	-	-	-	37	-	15	112	70
T5818-ATUU372	2	2	-	-	-	37	-	15	112	70
T5819-AT3UU201	3	1	18	-	-	20	-	15	112	50
T5820-AT3UU202	3	2	18	-	-	20	-	15	112	50
T5821-AT3UU301	3	1	24	-	-	30	-	15	112	50
T5822-AT3UU302	3	2	24	-	-	30	-	15	112	50
T5823-AT3UU371	3	1	34	-	-	37	-	15	112	70
T5824-AT3UU372	3	2	34	-	-	37	-	15	112	70
T5825-AT45101	3	1	-	10	10	-	-	15	112	25
T5826-AT345101	3	2	10	10	10	-	-	15	112	25
T5827-AT45U201	3	1	-	20	20	20	-	15	112	50
T5828-AT45U202	3	2	-	20	20	20	-	15	112	50



ARTICOLI DA PALO

AMPLIFICATORI serie "T"**3B elettronica****Amplificatori da palo serie "T" alimentazione +12Vcc**

Mast amplifier "T" +12Vcc power supply

Amplificateurs de mat série "T" alimentation +12Vcc

Amplificadores de mástil serie "T" alimentación +12Vcc

Amplificatori da palo serie "T" in contenitore plastico antipioggia con coperchio e alimentazione +12Vcc tramite cavo di uscita.

Mast amplifier "T" series in waterproof plastic box with cover and +12Vcc power supply by output cable.

 Amplificateurs de mat série "T" in boîte plastique anti-pluie et co-
verture, alimentation +12Vcc sur le cable de sortie. Amplificadores de mástil en contenedor plastico anti-lluvia con
cima y alimentación +12Vcc su el cable de salida

ARTICOLO	INGRESSI	OUT	GUAD. (dB) BIII	GUAD. (dB) BIV	GUAD. (dB) BV	GUAD. (dB) UHF	GUAD. (dB) CH.	REG dB	LIV. OUT dBμV	ASSORB. mA
T5829-AT45U281	3	1	-	28	28	28	-	15	112	75
T5830-AT45U282	3	2	-	28	28	28	-	15	112	75
T5831-AT45U371	3	1	-	37	37	37	-	15	112	95
T5832-AT45U372	3	2	-	37	37	37	-	15	112	95
T5833-AT345U201	4	1	18	20	20	20	-	15	112	50
T5834-AT345U202	4	2	18	20	20	20	-	15	112	50
T5835-AT345U281	4	1	24	28	28	28	-	15	112	75
T5836-AT345U282	4	2	24	28	28	28	-	15	112	75
T5837-AT345U371	4	1	34	37	37	37	-	15	112	95
T5838-AT345U372	4	2	34	37	37	37	-	15	112	95
T5839-AT45C201	2	1	-	20	20	-	20	15	112	50
T5840-AT45C281	2	1	-	28	28	-	28	15	112	75
T5841-AT45C371	2	1	-	37	37	-	37	15	112	95
T5842-AT345C201	3	1	18	20	20	-	20	15	112	50
T5843-AT345C281	3	1	24	28	28	-	28	15	112	75
T5844-AT345C371	3	1	34	37	37	-	37	15	112	95



ARTICOLI DA PALO MISCELATORI

3B elettronica



■ ■ Miscelatori passivi da palo

■ ■ Mast passive mixers

■ ■ Mélangeurs passifs de mat

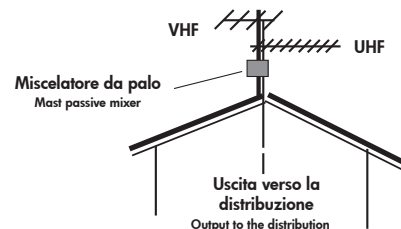
■ ■ Mezclador pasivo de mastil

■ ■ Miscelatori passivi da palo

■ ■ Mast passive mixers

■ ■ Melangeurs passifs de mat

■ ■ Mezclador pasivos de mastil



Connettori F

MODELLO CODICE	MDXV54F 5300	MIX354F 5304F	MDXVUF 5306	MIX45F 5312	MIX45FA 5313	MIXUG 5316	MIX345LTE 5323	MIX452C2TRP 5326	MIX452C2TRA 5329	MIXLUF 5324	MIXF1F 5768
INGRESSI BI BI INPUTS	-	-	-	-	-	-	-	-	-	-	-
INGRESSI BIII BIII INPUTS	-	1	1	-	-	-	1	-	-	-	-
INGRESSI BIV BIV INPUTS	1	1	-	1	1+att.	-	1	1+TR+CH	1+TR+CH	-	-
INGRESSI BV BV INPUTS	1	1	-	1	1+att.	-	1	1+TR+CH	1+TR+CH	-	-
INGRESSI UHF UHF INPUTS	-	-	1	-	-	-	-	-	-	1	1+trapp.
INGRESSI VHF VHF INPUTS	1	-	-	-	-	-	-	-	-	-	-
LOG						-		-	-	1	
GSM						2(1TX+1RX)		-	-		
UMTS						2(1TX+1RX)		-	-		
USCITE OUT	1	1	1	1	1	2	1	1	1	1	1



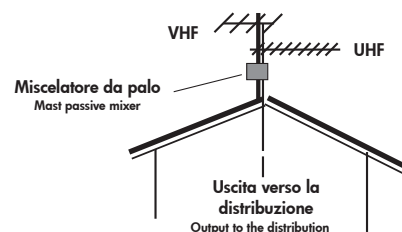
ARTICOLI DA PALO

FILTRI-TRAPPOLE-ACCOPIATORI**3B elettronica**

- Filtri ,trappole e accoppiatori**
 Pass-channel mast and coupler
 Filtres passe-canal de mat et accoppeurs
 Filtro passacanal de mastil y acopiadores

Filtri passacanal da palo

- Mast pass-channels
 Filtres passe-canal de mat
 Filtro paso-canal de mastil

**Filtri passacanal da palo - Mast pass-channel filters - Filtres passe-canal de mat - Filtro paso-canal de mastil**

MODELLO
CODICE

3FAT
6878

BANDA	UHF
BAND	
CANALI DA FILTR.	3
CHANNELS TO FILT	
CELLE	6
CELLS	
ATTENUATORI	NO
ATTENUATORS	
PERDITA	5dB
LOSS	
DIMENSIONI E PESO	125x110x65mm
SIZE & WEIGHT	0,4Kg

**Trappola 4 canali - 4 channel trap - Piège 4 canaux - Trampa de 4 canales**

MODELLO
CODICE

TR4F
5469

IN BANDA	UHF
IN BAND	
PERDITA PASSAGGIO	-1dB \pm 0,5dB
LOSS	
ATTENUAZIONE SUL CH	20dB
ATTENUATION	
N° TRAPPOLE	4
TRAP N°	
DIMENSIONI E PESO	125x110x65mm
SIZE & WEIGHT	0,4Kg

Accoppiatori d'antenna - Antenna couplers**Accoppeurs d'antenne - Acopiadores de antenna**

MODELLO
CODICE

MUUFcc
5331

MUUFcc
5332

MUUUFcc
5333

CANALE IN BANDA	1 UHF	2 UHF	3 UHF
CHANNEL IN BAND	1 UHF+cc	1 UHF+cc	1 UHF+cc
USCITA			
OUTPUT	1 OUT +cc	1 OUT +cc	1 OUT +cc
PERDITA			
LOSS	-4dB	-6dB	-8dB
DIMENSIONI E PESO	82x67x40mm 0,3Kg		
SIZE & WEIGHT			



Alimentatori per articoli da palo

Stabilized Power supply for mast products

Alimentations stabilisées pour mat

Fuentes de alimentación de mástil

Alimentatori Stabilizzati per articoli da palo conn. F
1 o 2 uscite 200mA e 300mA

Stabilized Power supply for mast products, F connector
1 or 2 output 200mA e 300mA

Alimentation stabilisée pour les produits de mât, connecteur F
1 ou 2 sorties 200mA e 300mA

Fuente de alimentación estabilizada para productos de mástil,
conector F Salida 1 o 2 200mA e 300mA



MODELLO
CODICE

A12V200F
6487

A12V200F2
6147

	FREQUENCY RANGE	200mA 1OUT	200mA 2OUT
INSERTION LOSS (IN-OUT)	5-45 MHz	≤0.2	≤3.5
	48-758 MHz	≤0.3	≤4.0
	751-862 MHz	≤0.5	≤4.5
RETURN LOSS (IN)	5-45 MHz	≥ 12	≥ 8
	48-758 MHz	≥ 16	≥ 8
	751-862 MHz	≥16	≥10
RETURN LOSS (TV OUT)	5-45 MHz	≥12	≥12
	48-758 MHz	≥16	≥16
	751-862 MHz	≥16	≥16
IMPEDANCE		75 ohm	75 ohm
POWER		INPUT POWER 12V/200mA	INPUT POWER 12V/200mA

ALIMENTATORI SWITCHING di nuova tecnologia per impianti di antenna.

I connettori F pressofusi in una speciale scatola permettono una perfetta schermatura e basse perdite di segnale. Le dimensioni compatte consentono l'utilizzo in spazi ristretti e l'installazione nelle classiche scatole ad incasso 503. Con indicatore luminoso di controllo funzionamento. Dotati di connettori F e ganci di fissaggio.

MODELLO
CODICE

AS470F
6090N

AS470F
6090N

AS1200F
6090P

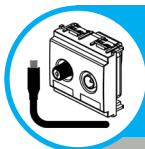
AS12V650F
6053



USCITE	1	2	1	1
ATTENUAZIONE PASSAGGIO	≤ 1 dB	≤ 4 dB	≤ 1 dB	≤ 1 dB
IMPEDENZA	75 ohm	75 ohm	75 ohm	75 ohm
TENSIONE INGRESSO	100-240Vac	100-240Vac	100-240Vac	230Vac
TENSIONE USCITA	12Vdc	12Vdc	12Vdc	12Vdc
CORRENTE USCITA	470mA	470mA	1200mA	650mA
MISURE	46x58x24	54x54x27	46x58x24	37x51x65
PESO	100g	110g	100g	100g

EN 55032:2015+A11:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
EN 62368-1:2014+A11:2017





DISTRIBUZIONE

3B elettronica



Accessori per la distribuzione TV banda 40÷790 MHz

 40÷790 MHz band TV distribution accessories

 Accessoires pour la distribution TV bande 40÷790 MHz

 Accesorios por la distribucion TV banda 40÷790 MHz



Articoli per la distribuzione TV

Partitori, derivatori, resistenze di chiusura, accessori e cavo per la distribuzione TV.

I partitori e i derivatori sono disponibili con morsetti schermati a vite o con connettori IEC 9,5 mm e "F".



Items for TV distribution

Splitters, taps, terminating resistors, accessories and cable for TV distribution.

The splitters and taps are available with shielded binding screws or with IEC 9,5 mm and "F" connectors.



Articles pour la distribution TV

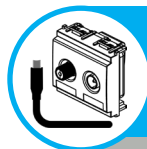
Répartiteurs, derivateurs, resistance pour fermé la distribution, accessoires et cable pour la distribution TV. Les répartiteurs et derivateurs sont disponibles avec bornes à vis blindées ou connecteurs IEC 9,5 mm et "F".



Productos para la distribucion TV

Repartidores, derivadores, resistencia de cierre, accesorios y cable por la distribucion TV.

Los repartidores y derivadores son disponibles con conectores blindados a tornilla o con conectores IEC 9,5 mm y "F".



DISTRIBUZIONE AMPLIFICATORI RETRO TV

3B elettronica

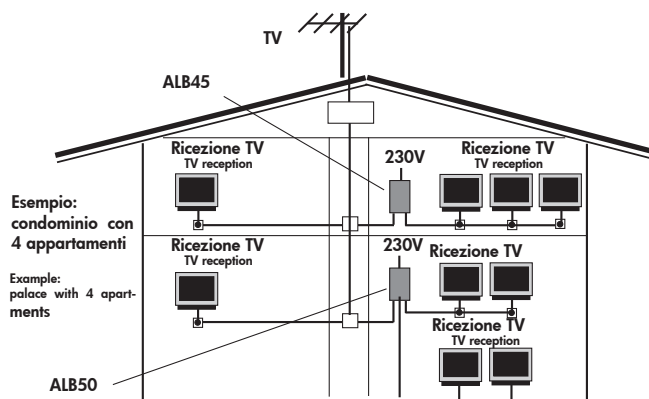


Amplificatori larga banda retro TV con trappola FM autoalimentati 230 VAC

Self-supplied 230 VAC domestics wide band amplifiers use with FM notch

Amplificateurs large bande pour l'interieur alimentation 230 VAC

Amplificadores doméstico con filtro de trampa FM alimentación 230 VAC



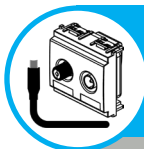
Amplificatori larga banda autoalimentati, adatti per uso interno. Connettori "F" femmina.

Self-supplied wide band amplifiers, suitable for indoor use. "F" female connectors.

Amplificateurs large bande autoalimenté, adapte pour l'interieur. Connecteurs "F" femelle.

Amplificadores doméstico autoalimentados, adapto por interior. Conectores "F" hembra.

MODELLO CODICE	ALB41F 6589	ALB51F 6584	ALB43F 6126	ALB45F 5313	ALB50F 6038	ALB53F 6123	ALB35F 6068	ALB40F 6044	ALB23F 6047
N° INGRESSI N° INPUTS	1 (40 ÷ 860 MHz)						1UHF/1VHF	1(BIII+UHF 21/48)	
N° USCITE N° USCITE	1	2	1	1	2	2	1	1	2
GUADAGNO VHF VHF GAIN	10dB	10dB	28dB	19dB	19dB	24dB	19dB	19dB	20dB
GUADAGNO UHF UHF GAIN	10dB	10dB	28dB	22dB	18dB	24dB	28 BIV 28 BV	22dB	23dB
LIVELLO D'USCITA OUTPUT LEVEL	110dBμV	110dBμV	112dBμV	112dBμV	112dBμV	110dBμV	115dBμV	112dBμV	110dBμV
REGOLAZIONE ADJUSTMENT	POTENZIOMETRI TRIMMER						ATTENUATORI	POTENZIOMETRI TRIMMER	
IMPEDEENZA IMPEDANCE	75 ohm								75 ohm
DIMENSIONI E PESO SIZE & WEIGHT	127x852x32mm 400g								54x54x27mm 110g



DISTRIBUZIONE PARTITORI 40÷790 MHz

3B elettronica

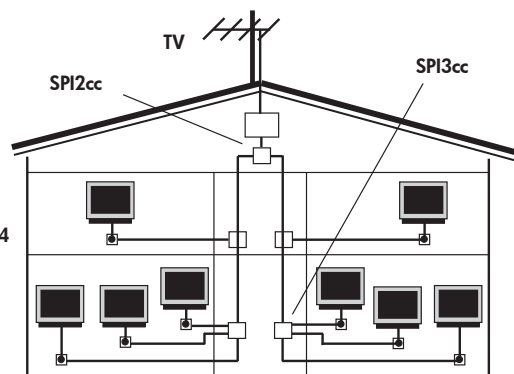
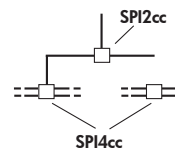


Partitori induttivi con morsetti schermati a vite banda 40÷790 MHz

40÷790 MHz band inductive splitters with shielding binding screws

Répartiteurs inductifs avec bornes à vis blindées bande 40÷790 MHz

Repartidores inductivos con conectores blindados banda 40÷790 MHz



Esempio:
condominio con 4
appartamenti

Example:
palace with 4 apart-
ments

Partitori banda 40÷790 Mhz

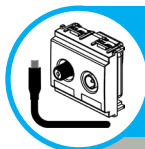
40÷790 MHz band splitters

Répartiteurs bande 40÷790 MHz

Repartidores banda 40÷790 MHz

Partitori induttivi 75 ohm - Inductive splitters 75 ohm - Répartiteurs inductifs 75 ohm - Repartidores inductivo 75 ohm

MODELLO CODICE	SPI2cc 5176	SPI3cc 5396	SPI4cc 5179	SPI5cc 5872
N° INGRESSI N° INPUTS	1	1	1	1
N° USCITE N° USCITE	2	3	4	5
ATTEN. INGR.-USC. IN-OUT ATTEN.	≤ 4dB	≤ 6dB	≤ 8dB	≤ 12dB
DISACC. USC.-USC. OUT-OUT DECOUPLE	> 18dB	> 18dB	> 18dB	> 18dB
DIMENSIONI E PESO SIZE & WEIGHT	38x51x28mm 0,1Kg			



DISTRIBUZIONE DERIVATORI INDUTTIVI

3B elettronica

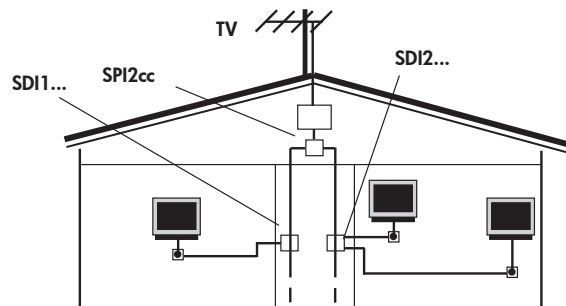
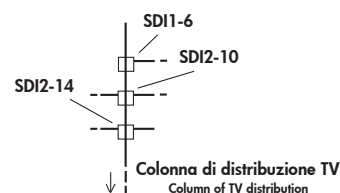


Derivatori induttivi 1 e 2 uscite con morsetti schermati a vite banda 40÷790 MHz

40÷790 MHz band inductive taps 1 and 2 outputs with shielding binding screws

Derivateurs inductifs 1 et 2 sorties avec bornes à vis blindées bande 40÷790 MHz

Derivadores inductivos 1 y 2 salidas con conectores blindados banda 40÷790 MHz



Derivatori induttivi in banda 40÷790 Mhz

Derivateurs inductifs bande 40÷790 MHz

40÷790 MHz band inductive taps

Derivadores inductivos banda 40÷790 MHz

MODELLO
CODICE

SDI1-6 5979	SDI1-10 5988	SDI1-14 5989	SDI1-18 6002	SDI1-22 6003	SDI1-26 6004	SDI1-30 6005
----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

N° USCITE

1 1 1 1 1 1 1

N° USCITE

ATT. INGR.-USC.COL.

≤ 2,2dB ≤ 2,2dB ≤ 1,8dB ≤ 1,7dB ≤ 1,8dB ≤ 1,5dB ≤ 1,5dB

IN-OUT COL. ATTEN

ATTEN. INGR.-USC.

6 ± 1 dB 10 ± 1 dB 14 ± 1dB 18 ± 1 dB 22 ± 1 dB 26 ± 1 dB 30 ± 1 dB

IN-OUT ATTEN.

DISACC. USC.-USC.

≥ 31dB ≥ 31dB ≥ 19dB ≥ 23dB ≥ 26dB ≥ 31dB ≥ 31dB

OUT-OUT DECOUPLE

IMPEDENZA

75 ohm

IMPEDANCE

DIMENSIONI E PESO

SIZE & WEIGHT

38x51x28mm 0,1Kg

MODELLO
CODICE

SDI2-6 6125	SDI2-10 6006	SDI2-14 6007	SDI2-18 6008	SDI2-22 6009	SDI2-26 6010	SDI2-30 6011
----------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

N° USCITE

2 2 2 2 2 2 2

N° USCITE

ATT. INGR.-USC.COL.

≤ 2,2dB ≤ 2,2dB ≤ 2,2dB ≤ 2,2dB ≤ 2,2dB ≤ 2,2dB ≤ 2,2dB

IN-OUT COL. ATTEN

ATTEN. INGR.-USC.

6 ± 1 dB 10 ± 1 dB 14 ± 1dB 18 ± 1 dB 22 ± 1 dB 26 ± 1 dB 30 ± 1 dB

IN-OUT ATTEN.

DISACC. USC.-COL-USC.

≥ 31dB ≥ 31dB ≥ 18dB ≥ 21dB ≥ 27dB ≥ 25dB ≥ 25dB

OUT-COL-OUT DECOUPLE

DISACC. USC.-USC.

≥ 16dB ≥ 35dB ≥ 26dB ≥ 26dB ≥ 26dB ≥ 26dB ≥ 18dB

OUT-OUT DECOUPLE

IMPEDENZA

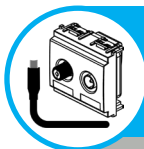
75 ohm

IMPEDANCE

DIMENSIONI E PESO

SIZE & WEIGHT

38x51x28mm 0,1Kg



DISTRIBUZIONE DERIVATORI INDUTTIVI

3B elettronica

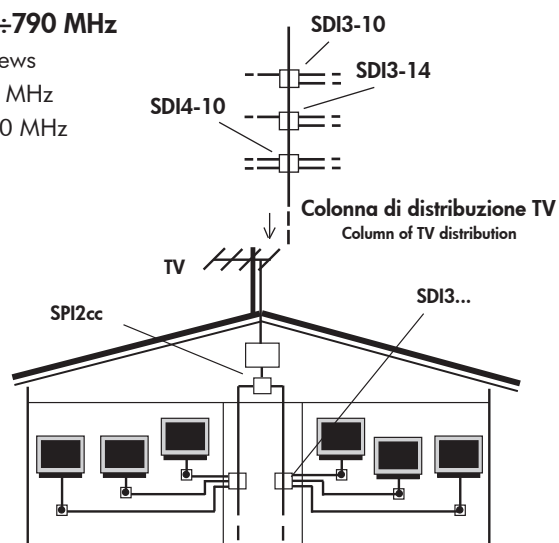


Derivatori induttivi 3 e 4 uscite con morsetti schermati a vite banda 40÷790 MHz

40÷790 MHz band inductive taps 3 and 4 outputs with shielding binding screws

Derivateurs inductifs 3 et 4 sorties avec bornes à vis blindées bande 40÷790 MHz

Derivadores inductivos 3 y 4 salidas con conectores blindados banda 40÷790 MHz



Derivatori induttivi in banda 40÷790 Mhz

Derivateurs inductifs bande 40÷790 MHz

40÷790 MHz band inductive taps

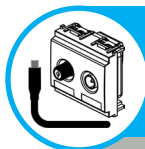
Derivadores inductivos banda 40÷790 MHz

MODELLO CODICE	SDI3-10 6177	SDI3-14 6012	SDI3-18 6013	SDI3-22 6014	SDI3-26 6015	SDI3-30 6016
-------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

N° USCITE N° USCITE	3	3	3	3	3	3
ATT. INGR.-USC.COL. IN-OUT COL. ATTEN	≤ 2,4dB	≤ 2,4dB	≤ 2,8dB	≤ 2,2dB	≤ 2,2dB	≤ 2,2dB
ATTEN. INGR.-USC. IN-OUT ATTEN.	10 ±1,5 dB	14 ±1,5 dB	18 ±1,5dB	22 ±1,5 dB	26 ±1,5 dB	30 ±1,5 dB
DISACC. USC.COL-USC. OUT COL-OUT DEC.	≥ 25dB	≥ 25dB	≥ 20dB	≥ 25dB	≥ 30dB	≥ 30dB
DISACC. USC.-USC. OUT-OUT DECOUPLE	≥ 21dB	≥ 21dB	≥ 26dB	≥ 26dB	≥ 26dB	≥ 26dB
IMPEDENZA IMPEDANCE	75 ohm					
DIMENSIONI E PESO SIZE & WEIGHT	38x51x28mm 0,1Kg					

MODELLO CODICE	SDI4-10 6122	SDI4-14 6017	SDI4-18 6018	SDI4-22 6019	SDI4-26 6020	SDI4-30 6021
-------------------	-----------------	-----------------	-----------------	-----------------	-----------------	-----------------

N° USCITE N° USCITE	4	4	4	4	4	4
ATT. INGR.-USC.COL. IN-OUT COL. ATTEN	≤ 2,4dB	≤ 2,4dB	≤ 3,1dB	≤ 1,9dB	≤ 2,5dB	≤ 2,5dB
ATTEN. INGR.-USC. IN-OUT ATTEN.	10 ±1,5 dB	14 ±1,5 dB	18 ±1,5dB	22 ±1,5 dB	26 ±1,5 dB	30 ±1,5 dB
DISACC.USC.-COL-USC. OUT-COL-OUT DECOUPLE	≥ 39dB	≥ 39dB	≥ 21dB	≥ 26dB	≥ 33dB	≥ 33dB
DISACC. USC.-USC. OUT-OUT DECOUPLE	≥ 23dB	≥ 23dB	≥ 27dB	≥ 24dB	≥ 28dB	≥ 28dB
IMPEDENZA IMPEDANCE	75 ohm					
DIMENSIONI E PESO SIZE & WEIGHT	38x51x28mm 0,1Kg					



- Partitori banda 5-2400 MHz in pressofusione di zama e placcati Nickel**
- Die-casting Nickel plating 5-2400 MHz band splitters
- Répartiteurs bande 5-2400 MHz en moulage sous pression et plaqué en Nickel
- Repartidores banda 5-2400 MHz en fundición de zamak con baño de Niquel-plata

- Partitori con connettori "F" femmina.
Passaggio di cc su tutte le uscite (max 1A 30V).

- Splitters with "F" female connectors.
"cc" passage on all outputs (max 1A 30V).

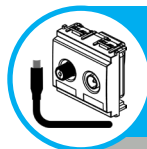
- Répartiteurs avec connecteurs "F" femelle.
Passage de cc sur tout les sorties (max 1A 30V).

- Repartidores con conectores "F" hembra.
Paso de corriente en todas las salidas (max 1A 30V).



Scatole da 10 pezzi - Boxes of 10 pcs. - Boîtes de 10 pcs. - Cajas de 10 pcs.

MODELLO CODICE		PR02CC 6719	PR03CC 6720	PR04CC 6721	PR06CC 6722	PR08CC 6723
N° USCITE N° OUTPUT		2	3	4	6	8
PERDITA INS.	4÷40MHz	3,5dB	7dB	7,5dB	10,5dB	12dB
INS. LOSS	40÷470MHz	3,5dB	8dB	7,5dB	10,5dB	12dB
	470÷1000MHz	4dB	8dB	8dB	12dB	13,5dB
	1000÷1750MHz	5dB	10dB	9dB	13,5dB	15,5dB
	1750÷2050MHz	5dB	10dB	9,5dB	14,5dB	16,5dB
	2040÷2400MHz	5,5dB	10,5dB	10,5dB	16dB	17dB
DIS. USC-USC	4÷40MHz	22dB	22dB	30dB	22dB	20dB
OUT-OUT DEC.	40÷470MHz	22dB	22dB	30dB	22dB	20dB
	470÷1000MHz	20dB	22dB	25dB	22dB	20dB
	1000÷1750MHz	20dB	22dB	26dB	22dB	20dB
	1750÷2050MHz	20dB	22dB	22dB	22dB	20dB
	2040÷2400MHz	23dB	22dB	22dB	22dB	20dB
PERDITA RIT.	4÷40MHz	12dB	10dB	10dB	9dB	9dB
RETURN LOSS	40÷470MHz	12dB	11dB	12dB	10dB	10dB
	470÷1000MHz	10dB	11dB	12dB	10dB	10dB
	1000÷1750MHz	10dB	11dB	12dB	11dB	10dB
	1750÷2050MHz	10dB	11dB	10dB	11dB	10dB
	2040÷2400MHz	10dB	11dB	10dB	11dB	10dB
DIMENSIONI E PESO SIZE & WEIGHT		49x35x29mm 55gr	49x35x29mm 58gr	71x35x29mm 82gr	93x35x29mm 105gr	114x35x29mm 130gr



Derivatori a 1/2 vie banda 5-2400 MHz in pressofusione di zama e placcati Nickel

Die-casting Nickel plating 5-2400 MHz band 1/2 ways taps

Dérivateurs à 1/2 voie bande 5-2400 MHz en moulage sous pression et plaqué Nickel

Derivadores 1/2 salda banda 5-2400 MHz en fundicion zamak con bano de Niquel-plata

Derivatori a 1/2 vie con connettori "F" femmina.
Passaggio di cc sulla linea (max 1A 30V), non sulla derivata.

1/2 ways taps with "F" female connectors.
"cc" passage on the line (max 1A 30V), not on the derivation.

Dérivateurs à 1/2 voie avec conncteurs "F" femelle.
Passage de cc sur le passage (max 1A 30V), pas sur les dérivation.

Derivadores 1/2 salda con conectores "F" hembra.
Paso de coriente entre entrada-uscita (max 1A 30V), no su derivaciòn.



Scatole da 10 pezzi - Boxes of 10 pcs. - Boites de 10 pcs. - Cajas de 10 pcs.

MODELLO CODICE	PD0210 6729	PD0214 6730	PD0218 6731	PD0222 6732	PD0226 6733
-------------------	----------------	----------------	----------------	----------------	----------------

DERIVAZIONI DERIVATION		10,5dB±1	14dB±1	18dB±1	22dB±1	26dB±1
PERDITA INS. INS. LOSS	4÷470MHz	2,5dB	1,5dB	1,2dB	1,2dB	1,2dB
	470÷1050MHz	2,5dB	1,8dB	1,5dB	1,5dB	1,8dB
	1750 ÷2400MHz	3,5dB	2,2dB	2dB	2,2dB	2dB
DIS. ENT-USC IN-OUT DEC.	4÷470MHz	28dB	29dB	35dB	40dB	42dB
	470÷1050MHz	25dB	25dB	27dB	31dB	33dB
	1750 ÷2400MHz	23dB	23dB	25dB	27dB	29dB
DIS. USC-DER OUT-DER DEC.	4÷470MHz	37dB	40dB	35dB	50dB	55dB
	470÷1050MHz	37dB	38dB	27dB	45dB	50dB
	1750 ÷2400MHz	37dB	40dB	25dB	45dB	45dB

DIMENSIONI E PESO

49x35x29mm 58gr

SIZE & WEIGHT

Scatole da 10 pezzi - Boxes of 10 pcs. - Boites de 10 pcs. - Cajas de 10 pcs.

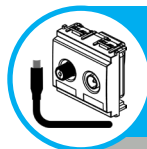
MODELLO CODICE	PD0110 6724	PD0114 6725	PD0118 6726	PD0122 6727	PD0126 6728
-------------------	----------------	----------------	----------------	----------------	----------------

DERIVAZIONI DERIVATION		10,5dB±1	14dB±1	18dB±1	22dB±1	26dB±1
PERDITA INS. INS. LOSS	4÷470MHz	1,3dB	0,8dB	0,7dB	0,6dB	0,5dB
	470÷1050MHz	1,6dB	1,2dB	0,9dB	0,8dB	1dB
	1750 ÷2400MHz	2dB	1,5dB	1,3dB	1,7dB	2dB
DIS. ENT-USC IN-OUT DEC.	4÷470MHz	35dB	29dB	36dB	38dB	40dB
	470÷1050MHz	27dB	28dB	31dB	33dB	35dB
	1750 ÷2400MHz	24dB	25dB	22dB	27dB	30dB

DIMENSIONI E PESO

49x35x29mm 55gr

SIZE & WEIGHT



Derivatori a 4/6/8 vie banda 5-2400 MHz in pressofusione di zama e placcati Nickel

- Die-casting Nickel plating 5-2400 MHz band 4/6/8 ways taps
 Dérivateurs 4/6/8 voies bande 5-2400 MHz en moulage sous pression et plaqué Nickel
 Derivadores 4/6/8 salidas banda 5-2400 MHz en fundic. zamak con baño de Niquel-plata

- Derivatori a 4/6/8 vie con connettori "F" femmina. Passaggio di cc sulla linea (max 1A 30V), non sulle derivate.

- 4/6/8 ways taps with "F" female connectors.
"cc" passage on the line (max 1A 30V), not on the derivations.

- Dérivateurs à 4/6/8 voies avec connecteurs "F" femelle.
Passage de cc sur le passage (max 1A 30V), pas sur les dérivationes.

- Derivadores 4/6/8 salidas con conectores "F" hembra.
Paso de corriente entre entrada-uscita (max 1A 30V), no su derivaciones.



Scatole da 10 pezzi - Boxes of 10 pcs. - Boîtes de 10 pcs. - Cajas de 10 pcs.

MODELLO CODICE	PD0412 6734	PD0414 6735	PD0418 6736	PD0422 6737	PD0426 6738
-------------------	----------------	----------------	----------------	----------------	----------------

DERIVAZIONI DERIVATION		10,5dB±1	14dB±1	18dB±1	22dB±1	26dB±1
PERDITA INS.	4÷470MHz	2,5dB	1,5dB	1,2dB	1,2dB	1,1dB
INS. LOSS	470÷1050MHz	2,5dB	1,8dB	1,5dB	1,5dB	1,5dB
	1750 ÷ 2400MHz	3,5dB	2,2dB	2dB	2,2dB	1,8dB
DIS. ENT-USC	4÷470MHz	26dB	32dB	45dB	37dB	37dB
IN-OUT DEC.	470÷1050MHz	25dB	30dB	35dB	31dB	35dB
	1750 ÷ 2400MHz	28dB	30dB	30dB	26dB	30dB
DIS. USC-DER	4÷470MHz	26dB	28dB	33dB	33dB	30dB
OUT-DER DEC.	470÷1050MHz	25dB	33dB	26dB	31dB	35dB
	1750 ÷ 2400MHz	30dB	33dB	26dB	28dB	30dB

DIMENSIONI E PESO

SIZE & WEIGHT

71x35x29mm 85gr

Scatole da 10 pezzi - Boxes of 10 pcs. - Boîtes de 10 pcs. - Cajas de 10 pcs.

MODELLO CODICE	PD0616 6739	PD0620 6740	PD0816 6741	PD0820 6742
-------------------	----------------	----------------	----------------	----------------

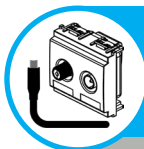
DERIVAZIONI DERIVATION		16dB±2	18dB±2	16dB±2	18dB±2
PERDITA INS.	4÷470MHz	4,5dB	2,5dB	4,5dB	2,5dB
INS. LOSS	470÷1050MHz	5,5dB	4dB	5dB	3,5dB
	1750 ÷ 2400MHz	5,5dB	5,5dB	7,5dB	5,5dB
DIS. ENT-USC	4÷470MHz	22dB	25dB	25dB	25dB
IN-OUT DEC.	470÷1050MHz	22dB	22dB	25dB	20dB
	1750 ÷ 2400MHz	22dB	22dB	25dB	20dB
DIS. USC-DER	4÷470MHz	20dB	20dB	20dB	20dB
OUT-DER DEC.	470÷1050MHz	22dB	22dB	20dB	20dB
	1750 ÷ 2400MHz	22dB	22dB	20dB	20dB

DIMENSIONI E PESO

SIZE & WEIGHT

93x35x29mm 110gr

114x35x29mm 135gr



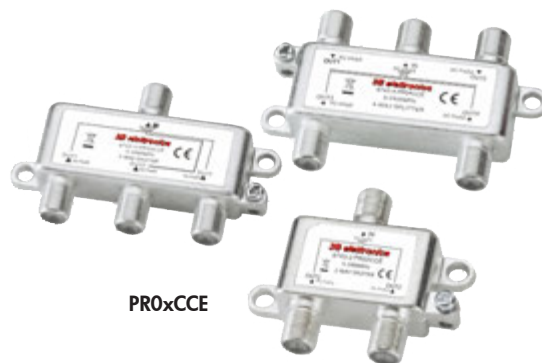
- Partitori banda 5-2400 MHz in pressofusione di zama e placcati Nickel**
- Die-casting Nickel plating 5-2400 MHz band splitters
- Répartiteurs bande 5-2400 MHz en moulage sous pression et plaqué en Nickel
- Repartidores banda 5-2400 MHz en fundición de zamak con bano de Niquel-plata

- Partitori con connettori "F" femmina.
Passaggio di cc su tutte le uscite (max 0.8A 24V).**

- Splitters with "F" female connectors.
"cc" passage on all outputs (max 0.8A 24V).

- Répartiteurs avec connecteurs "F" femelle.
Passage de cc sur tout les sorties (max 0.8A 24V).

- Repartidores con conectores "F" hembra.
Paso de corriente en todas las salidas (max 0.8A 24V).



PROxCEE

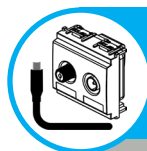
MODELLO
CODICE

PRO2CEE
6743-2

PRO3CEE
6743-3

PRO4CEE
6743-4

N° USCITE N° OUTPUT		2	3	4
PERDITA INS.	5÷40MHz	3,5dB	7.5dB	8dB
INS. LOSS	40÷1000MHz	3,5dB	8dB	8,5dB
	1000÷1750MHz	4dB	9.5dB	9.5dB
	1750 ÷2400MHz	4.5dB	10.5dB	11 dB
MUTUAL ISOL.	5÷40MHz	20dB	20dB	22dB
ISOLAM. RECIPR.	40÷1000MHz	22dB	20dB	22dB
	1000÷1750MHz	20dB	20dB	20dB
	1750 ÷2400MHz	20dB	20dB	20dB
PERDITA RIT.	5÷40MHz	10dB	10dB	10dB
RETURN LOSS	40÷1000MHz	12dB	12dB	12dB
	1000÷1750MHz	12dB	12dB	12dB
	1750 ÷2400MHz	10dB	10dB	10dB
DIMENSIONI E PESO		49x35x29mm	49x35x29mm	71x35x29mm
SIZE & WEIGHT		55gr	58gr	82gr



DISTRIBUZIONE CAVI TV-SAT


3B elettronica



Cavi TV-SAT gas injected 75 ohm

 75 ohm TV-SAT gas injected cables

 Cables TV-SAT gas injected 75 ohm

 Cables TV-SAT gas injected 75 ohm




CAVOSAT1-3-4




CAVOTE4I (ignifugo)
(fireproof)

Cavo 75 ohm a bassa perdita e doppia schermatura

 75 ohm high screen low loss cable

 Cable 75 ohm à bas perte et haute schermatura

 Cable 75 ohm baja perdita y alta schermatura



LMR400LSZH



CAVORG213



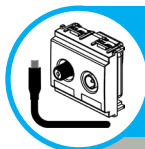
CAVOSKY5

*versione IGNIFUGA 6856-CAVOTE4I

MODELLO
CODICE

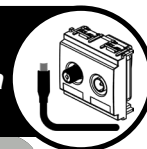
CAVOSAT1 6199	LMR240LSZH 6297	CAVOSAT3 6201	CAVOSAT4* 6543	CAVOHF195 6200	LMR240LSZH 6297	LMR400LSZH 6218	CAVORG213 6216
------------------	--------------------	------------------	-------------------	-------------------	--------------------	--------------------	-------------------

DIAMETRO DIAMETER	5mm	7mm	6,7mm	6,7mm	5mm	7mm	10mm ANTIFIAMMA	11mm
PESO WEIGHT	27,5 Kg/m	58Kg/Km	31 Kg/m	40 Kg/Km	38 Kg/Km	58 Kg/Km	130 Kg/Km	151,3 Kg/Km
CAPACITA' CAPACITY	52pF/m	80pF/m	52 pF/m		84 pF/m	80 pF/m	78 pF/m	101 pF/m
DIELETTRICO DIELECTRIC	GAS INJECTED PEE / DG	PEE	GAS INJECTED PEE / DG		PEG	PEE	PEE	PE
NASTRO SCREEN-FOIL		Al - PET - Al	Al - PET - Al		PVC2	ALP	ALP	PVCII
CONFORMITA' CONFORMITY	EN 50117-5	EN 50117-2-4	EN 50117-5/EN 13501-6 CPR:ECA		CE-ROHS	EN 50117-5 ROHS CEI20-35 CEI20-22	EN 50117-5 ROHS CEI20-35 CEI20-22	MIL-C-17
TRECCIA SCREEN	Cu Sn 40%	Cu Sn 80%	Cu St 45%		Cu Sn 94%	Cu Sn 97%	Cu Sn 97%	Cu Sn 96%
PERDITE LOSSES 100m	800MHz 25,5dB 1000MHz 28,5dB 1750MHz 38,9dB 2050MHz 42,3dB	800MHz 23,5dB 1000MHz 26dB 1750MHz 36dB 2150MHz 40,4dB	800MHz 17dBm 1000MHz 19,4dB 1750MHz 26dB 2050MHz 28,3dB		10MHz 2.7dB 50MHz 7.7dB 220MHz 15.2dB	500MHz 18.1dB 1000MHz 26dB 1350MHz 31.4dB 1500MHz 32.9dB	400MHz 10dB 1000MHz 16dB 2000MHz 21,5dB 2500MHz 24dB	700MHz 21dB 900MHz 24,9dB 1000MHz 26dB
IMPEDENZA IMPEDENCE	75ohm	50ohm	75ohm		50ohm	50ohm	50ohm	50ohm
RAGGIO CURV. CURVAT. RADIUS	25/50mm		35/70mm	35mm	25/50mm	70mm	75mm	50/100mm






**DISTRIBUZIONE
ACCESSORI**

3B elettronica



Accessori per il montaggio

-  Accessories for mounting
-  Accessoires pour le montage
-  Accesorios por el montaje

CF95-RAP



PF5-PF1-PF2-PF3



RC



RCP



RCM



RCB



RCF



CCP



CCPL



PF3



CFP



RC-INS



Resistenze coassiali e di chiusura - Resistors coaxial and closing 75ohm - Résistances coaxial de 75 ohm et la fermeture Resistencias coaxial de 75 ohm y de cierre

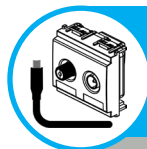
MODELLO CODICE	RCB 5606	RC 5011	RCM 6039	RCP 6594	RCF 5990
DIAMETRO DIAMETER	9,5mm COAX BLIND.	9,5mm COAX	6mm	4,5mm	-
IMPEDENZA IMPEDANCE	75 ohm				

Connettori e ponticelli - Connectors and bridge coaxials - Connecteurs et pont coaxials - Conectores y puente coaxiales

MODELLO CODICE	CM95-RAP 6880	CF95-RAP 6881	CCP 5006	CCPL 6809	CCPA 5014	SCFA 5112	CFP 6883
TIPO TYPE	CONNETT. MASCHIO	CONNETT. FEMMINA	PONTIC. BRIDGE CON.	PONTIC. BRIDGE CON.	PONT.AMP. AMP. BRIDGE CON.	FEMM. 9,5mm	CONN. "F" BRIDGE CON.
CARATTERISTICHE CHARACTERISTICS	RAP A VITE	RAP A VITE	P.33mm	P.35,5mm	P.33mm	90°CROM.	38,58mm

Accessori vari - Accessories - Accessoires - Accesorios

MODELLO CODICE	CPT 5004	CPT12 5005	CPTF12 6545	PRT6 5894	RVG 5681	PF5 6582	PF3 6640	PF1 5059	RC-INS 6786
TIPO TYPE	INS.cc SU RF	TRANS.RF 24-12Vcc	TRANS.RF 24-12Vcc	MOSETT.	VENTIL. SALV.	PIASTRA	BARRA	PIASTRA	INSERTORE di TENSIONE
CARATTERISTICHE CHARACTERISTICS	IEC 9,5mm M/F	IEC 9,5mm M/F	"F" M/F	7 CAVI	230 Vac	FILTRI	DIN	FISS.	-



DISTRIBUZIONE RIPETITORE DI TELECOMANDO

3B elettronica



- Ripetitore di telecomando via cavo TV**
 Remote control transposer by TV cable
 Répéteurs de télécommande sur le câble de TV
 Repetidores de mando de distancia su el cable de Tv

Rice-trasmittitori audio / video a infrarossi

Infrared audio / video receivers and transmitters

Récepteurs et émetteurs audio / video à infrarouge

Transmisores audio / video a infrarrojos

TMD77C



TMD77CS



MODELLO CODICE	TMD77C 9614D	TMD77CS 9614F
CARATTERISTICHE CHARACTERISTICS	1 RICEVITORE 1 TRASMETTITORE	1 RICEVITORE ESTENS.
FREQUENZA ENTR. IR IR INPUT FREQUENCY	35 ÷ 41 KHz	-
FREQ. PORTANTE CARRIER FREQUENCY	11 MHz-ASK	
USCITA IR IR OUTPUT	-	37 KHz
ATTEN. VHF-UHF VHF-UHF ATTEN.	0,5 dB	
LIV. MODULAZIONE MODULATION LEV.	0 ÷ 10 dBm REGOL.	-
ASSORB. ALIMENT. CURRENT P.SUPPLY	12 Vcc-90 mA	
MATERIALE MATERIAL	LAMIERA	
DIMENSIONI E PESO SIZE & WEIGHT	70x38x24 mm 0,1 Kg	

PROGETTATI PER OTTIMIZZARE LA CONNETTIVITÀ MOBILE, GARANTISCE
UNA COPERTURA STABILE PER GLI STANDARD GSM, UMTS E LTE.
È LA SOLUZIONE IDEALE PER MIGLIORARE LA RICEZIONE
IN AMBIENTI CON SEGNALE DEBOLE, TRA CUI SPAZI RESIDENZIALI E COMMERCIALI.
LA COMPATIBILITÀ UNIVERSALE CON TUTTI GLI OPERATORI E DISPOSITIVI MOBILI,
UNITA A UNA TECNOLOGIA ANTI-INTERFERENZA, ASSICURA PRESTAZIONI AFFIDABILI.

SISTEMI per la TELEFONIA MOBILE



2025

AMPLIFICATORI DI SEGNALE



KIT SINGLE BAND LOG SERIES 20dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8770N)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
8626L-K800L20	8579-AFTIW800L20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
8592L-KEGSM20	8594-AFTIWGSM20	Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		
8618L-KDCS20	8583-AFTIWDCS20	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		



KIT SINGLE BAND OMNI SERIES 20dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8980)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
8626O-K800L20	8579-AFTIW800L20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
8592O-KEGSM20	8594-AFTIWGSM20	Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		
8618O-KDCS20	8583-AFTIWDCS20	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		



KIT DUAL BAND LOG SERIES 20dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8980)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
8627L-KLD20	8624-AFTLD20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
8628L-KLEG20	8625-AFT1WL800EG20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		



KIT DUAL BAND OMNI SERIES 20dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8980)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
86270-KLD20	8624-AFTLD20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
86280-KLEG20	8625-AFT1WL800EG20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		



KIT DUAL BAND LOG SERIES 20dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8980)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
8622L-KEGD20	8621-AFTGD20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
8623L-KEGU20	8609-AFTGU20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		



KIT DUAL BAND OMNI SERIES 20dBm

Conformi alla normativa
2014/53/UE RED
EN 301 489-50 V2.3.1
EN 301 489-50 V2.3.1
EN 301 908-11 V11.1.2 (for UMTS)
EN 301 908-15 V.15.1.1(for LTE)
EN 303 609 V12.5.1 (for GSM)
EN 62368-1: 2020/A11: 2020
EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8980)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
8622O-KEGD20	8621-AFTGD20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
8623O-KEGU20	8609-AFTGU20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa
2014/53/UE RED
EN 301 489-50 V2.3.1
EN 301 489-50 V2.3.1
EN 301 908-11 V11.1.2 (for UMTS)
EN 301 908-15 V.15.1.1 (for LTE)
EN 303 609 V12.5.1 (for GSM)
EN 62368-1: 2020/A11: 2020
EN 50385:2017

8579-AFT1W800L20 BANDE: 800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800	8579-AFT1W800L20	≥65dB	≥70dB
Output Power LTE800	8579-AFT1W800L20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8594-AFT1WGSM20 BANDA: 900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM	8594-AFT1WGSM20	≥65dB	≥70dB
Output Power EGSM	8594-AFT1WGSM20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8607-AFT10WEGSM30 BANDA: 900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM	8607-AFT10WEGSM30	≥65dB	≥80dB
Output Power EGSM	8607-AFT10WEGSM30	≥23dBm	≥30dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 9V/5A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa
2014/53/UE RED
EN 301 489-50 V2.3.1
EN 301 489-50 V2.3.1
EN 301 908-11 V11.1.2 (for UMTS)
EN 301 908-15 V.15.1.1 (for LTE)
EN 303 609 V12.5.1 (for GSM)
EN 62368-1: 2020/A11: 2020
EN 50385:2017

8583-AFT1WDCS20 BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8583-AFT1WDCS20	≥65dB	≥70dB
Output Power DCS	8583-AFT1WDCS20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8583-AFT1WDCS23

BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8583-AFT1WDCS23	≥65dB	≥75dB
Output Power DCS	8583-AFT1WDCS23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8583-AFT1WDCS27 BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8583-AFT1WDCS27	≥65dB	≥75dB
Output Power DCS	8583-AFT1WDCS27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8616-AFT10WDCS30 BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8616-AFT10WDCS30	≥65dB	≥80dB
Output Power DCS	8616-AFT10WDCS30	≥23dBm	≥30dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 9V/5A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8595-AFT1WUMTS20 BANDA: 2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain UMTS	8595-AFT1WUMTS20	≥65dB	≥70dB
Output Power UMTS	8595-AFT1WUMTS20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8572-AFT1WL800EG27

BANDE: 800+900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+EGSM	8572-AFT1WL800EG27	≥65dB	≥80dB
Output Power LTE800+EGSM	8572-AFT1WL800EG27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		315*228*72mm	
Weight		≤7.5KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8624-AFTLD20

BANDE: 800+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS	8624-AFTLD20S	≥65dB	≥70dB
Output Power LTE800+DCS	8624-AFTLD20S	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8625-AFT1WL800EG20

BANDE: 800+900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+EGSM	8625-AFT1WL800EG20	≥65dB	≥70dB
Output Power LTE800+EGSM	8625-AFT1WL800EG20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8621-AFTGD20S

BANDE: 900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS	8621-AFTGD20S	≥65dB	≥70dB
Output Power EGSM+DCS	8621-AFTGD20S	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8571-AFT1WEGD23

BANDE: 900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS	8571-AFT1WEGD23	≥65dB	≥75dB
Output Power EGSM+DCS	8571-AFT1WEGD23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8571-AFT1WEGD27

BANDE: 900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS	8571-AFT1WEGD27	≥65dB	≥80dB
Output Power EGSM+DCS	8571-AFT1WEGD27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		315*228*72mm	
Weight		≤7.5KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8609-AFTGU20S BANDE: 900+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+UMTS	8609-AFTGU20S	≥65dB	≥70dB
Output Power EGSM+UMTS	8609-AFTGU20S	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8597-AFTIWEGSMUMTS23

BANDE: 900+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+UMTS	8597-AFTIWEGSMUMTS23	≥65dB	≥75dB
Output Power EGSM+UMTS	8597-AFTIWEGSMUMTS23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8597-AFTIWEGSMUMTS27

BANDE: 900+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+UMTS	8597-AFTIWEGSMUMTS27	≥65dB	≥80dB
Output Power EGSM+UMTS	8597-AFTIWEGSMUMTS27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		315*228*72mm	
Weight		≤7.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8638-AFT1WLEGD20

BANDE: 800+900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8638-AFT1WLEGD20	≥65dB	≥70dB
Output Power LTE800+DCS+UMTS	8638-AFT1WLEGD20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8638-AFT1WLEGD23

BANDE: 800+900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8638-AFT1WLEGD23	≥65dB	≥75dB
Output Power LTE800+DCS+UMTS	8638-AFT1WLEGD23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8638-AFT1WLEGD27

BANDE: 800+900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8638-AFT1WLEGD27	≥65dB	≥80dB
Output Power LTE800+DCS+UMTS	8638-AFT1WLEGD27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8639-AFT1WLDU20

BANDE: 800+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8639-AFT1WLDU20	≥65dB	≥70dB
Output Power LTE800+DCS+UMTS	8639-AFT1WLDU20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8639-AFT1WLDU23

BANDE: 800+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8639-AFT1WLDU23	≥65dB	≥75dB
Output Power LTE800+DCS+UMTS	8639-AFT1WLDU23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8639-AFT1WLDU27

BANDE: 800+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8639-AFT1WLDU27	≥65dB	≥80dB
Output Power LTE800+DCS+UMTS	8639-AFT1WLDU27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 0dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8598-AFT1WEGDU20

BANDE: 900+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS+UMTS	8598-AFT1WUGDU20	≥65dB	≥70dB
Output Power EGSM+DCS+UMTS	8598-AFT1WUGDU20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S

0dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8598-AFT1WEGDU23

BANDE: 900+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS+UMTS	8598-AFT1WUGDU23	≥65dB	≥75dB
Output Power EGSM+DCS+UMTS	8598-AFT1WUGDU23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 0dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8598-AFT1WEGDU27

BANDE: 900+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS+UMTS	8598-AFT1WUGDU27	≥65dB	≥80dB
Output Power EGSM+DCS+UMTS	8598-AFT1WUGDU27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



FIVE BAND S E R I E S 0dBm ~ 23dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8641-AFT1WLEGDUL05 BANDE: 800+900+1800+2100+2600

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range (Europe, Asia, Africa)	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
	LTE2600 (Band 7)	2500~2570MHz	2620 ~ 2690MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	8641-AFT1WLEGDUL05	≥25dB	≥25dB
Output Power	8641-AFT1WLEGDUL05	≥20dBm	≥0dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



FIVE BAND S E R I E S

0dBm ~ 23dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8641-AFT1WLEGDUL20

BANDE: 800+900+1800+2100+2600

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range (Europe, Asia, Africa)	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
	LTE2600 (Band 7)	2500~2570MHz	2620 ~ 2690MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	8641-AFT1WLEGDUL20	≥65dB	≥70dB
Output Power	8641-AFT1WLEGDUL20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



FIVE BAND S E R I E S 0dBm ~ 23dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8641-AFT1WLEGDUL23 BANDE: 800+900+1800+2100+2600

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range (Europe, Asia, Africa)	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
	LTE2600 (Band 7)	2500~2570MHz	2620 ~ 2690MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	8641-AFT1WLEGDUL23	≥70dB	≥75dB
Output Power	8641-AFT1WLEGDUL23	≥15dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		373*228*73	
Weight		9KG	

ANTENNE CAVI

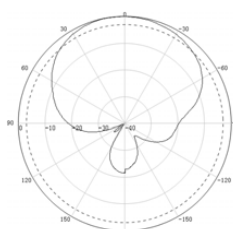


8770N-ADIRLGDU DIRECTIONAL SERIES

12dB



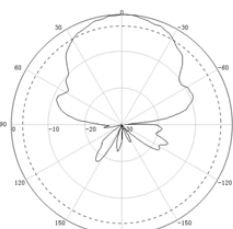
ELECTRICAL SPECIFICATIONS	
Frequency Range	806~960/1710~2700 MHZ
Gain	12 dB
Horizontal Beamwidth	65/50°
Vertical Beamwidth	50/40°
Polarization	Vertical
Front-to-back-ratio	20db
Power Capacity	100 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	440×210×65 mm
Weight	0,53 KG
Radome Material	ABS
Ambient temperature	Temperature Range -30°C~+45°C; Maximum temperature -40°C~+50°C
Wind speeds	Rated Wind Speed 36.9m/s; Maximum Wind Load 60m/s
Grounding	DC Ground



Horizontal



Horizontal



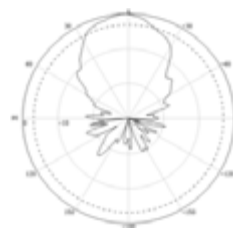
Horizontal



Vertical 960MHz



Vertical 1880MHz




Vertical 2700MHz



8945N4-ADIR GDU

INDOOR PANEL SERIES

9dB

Model	8945N4-ADIR GDU			Product Picture
Frequency Range	698~960	1710-2700	3400~4000	
Impedance	50Ω			
VSWR	≤ 1.80			
Gain	5.5dB±0.5	7.5dB±0.5	8.5dB±0.5	
Polarization	Vertical			
Horizontal Beamwidth	80°	65°/60°	55°	
Vertical Beamwidth	73°/70°	60°	30°	
Front-To-Back Ratio	>10°	>15°	>10°	
Maximum Power	50W			
Intermodulation	-153dBc@2X43dBm			
Connector Type	N Female or 4.3-10/Female *			
Dimension	200X180X62mm			
Mounting Kit	On Wall			
Radome material	ABS, White Color			
Work Temperature	-55~+60℃			
Weight	0.65kg			

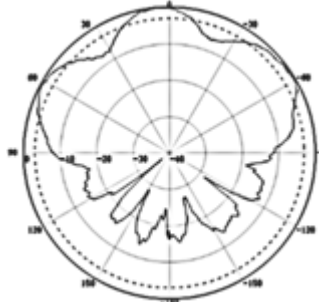
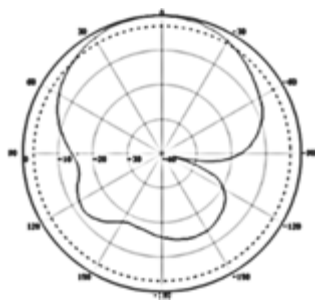
* Can be Custom made with SMA Female , 2.2-5 Female or 4.1/9.5 Female

Radiation Patterns:

Horizontal
Pattern



Vertical
Pattern



900MHz

1880MHz

3500MHz



8983N-ADIR GDU N

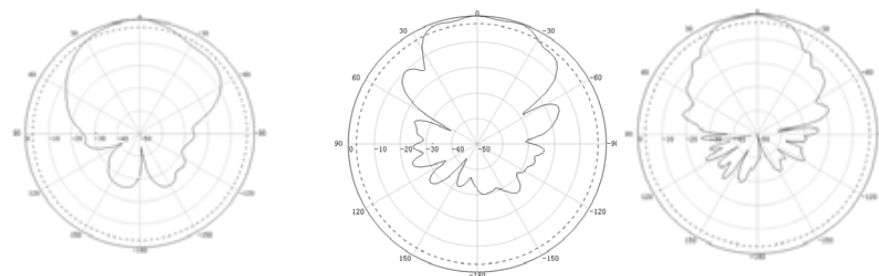
DIRECTIONAL SERIES

12dB

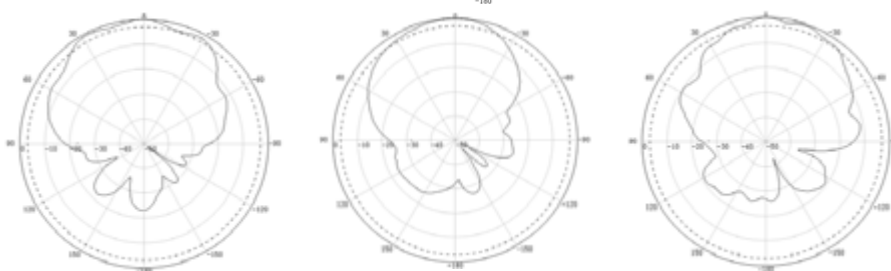


ELECTRICAL SPECIFICATIONS	
Frequency Range	800~960/1710~2500 MHz
Gain	11±1/12±1 dB
Horizontal Beamwidth	45±6/30±6°
Vertical Beamwidth	60±6/45±6°
Polarization	Vertical
Front-to-back-ratio	25 db
Power Capacity	50 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	256×170×56 mm
Weight	0.5 KG
Radome Material	PVC
Ambient temperature	Temperature Range -30℃~+45℃; Maximum temperature -40℃~+55℃
Wind speeds	Rated Wind Speed 36.9m/s; Maximum Wind Load 55m/s
Grounding	DC Ground

Horizontal
Pattern



Vertical
Pattern



960MHz


1880MHz

2500MHz



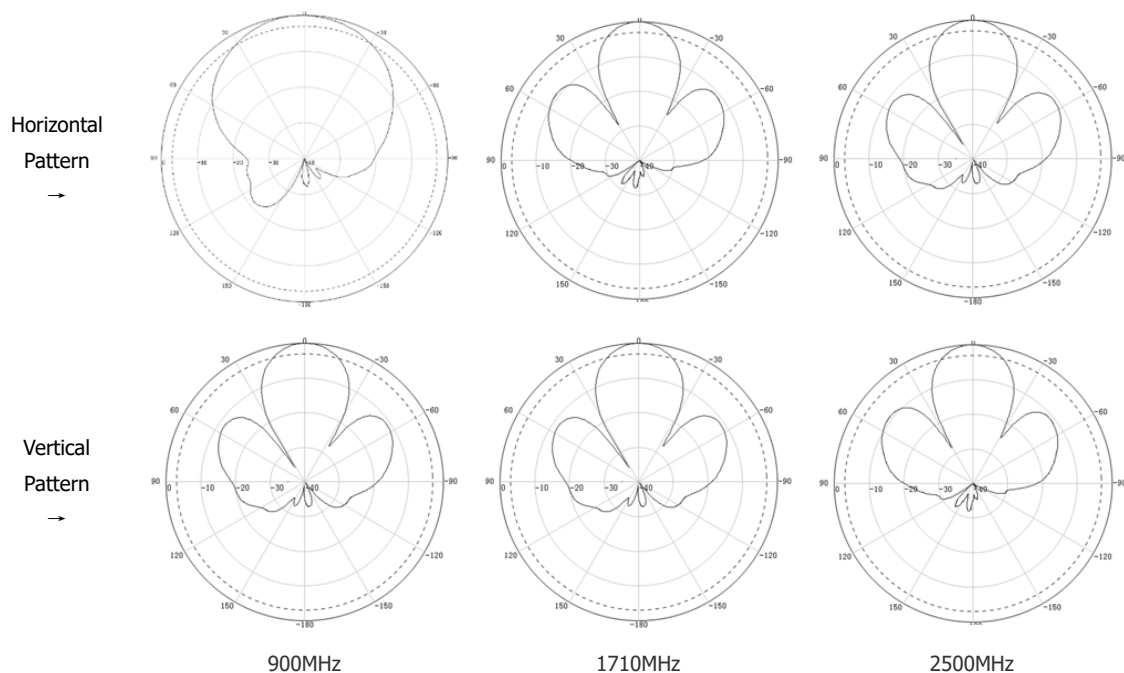
8988N-AP14 PANEL SERIES

14dB

Model	8988N-AP14		Product Picture	
Frequency Range	698~960	1710-2700	<div></div>	
Impedance	50Ω			
VSWR	≤ 1.70	≤ 1.70		
Gain	11dB	14dB		
Polarization	±45°			
Horizontal Beamwidth	65°	35°		
Vertical Beamwidth	35°	35°		
Maximum Power	100W			
Intermodulation	-150dBc@2X43dBm			
Isolation	>25dB	>28dB		
Front-To-Back Ratio	> 20(-180 ± 30)	> 25(-180 ± 30)		
Connector Type	2 X N/Female *			
Dimension	700×328X140mm			
Mounting Kit	Pole , Outdoor use			
Radome material	Fiberglass			
Work Temperature	-55~+60℃			
Weight	5.50kg			

* Can be Custom made with SMA Female , 4.3/10 Female or 4.1/9.5 Female

Antenna Radiation Patterns:



All specifications are subject to change without notice.



8989N-ADIR LOG

WiFi DIRECTIONAL FULL RANGE

15dBi

Model	8989N-ADIR LOG		Product Picture
Frequency Range	690-2700MHz		
Impedance	50Ω		
VSWR	≤ 1.5:1		
Gain	15dBi		
Polarization	V/H		
Horizontal Beamwidth	-3dB	55°	
Vertical Beamwidth	-3dB	40°	
N. of elements	28		
Maximum Power	100W		
Intermodulation	-153dBc@2X43dBm		
Connector Type	Nf		
Dimension	100x200x40mm		
Mounting	Ø30-50mm		
Materials	Alluminium-Teflon-Brass		
Lighting protection	All metal parts are DC grounded		
Weight	1kg		



BROADBAND LOGARITHMIC ANTENNA



HIGH GAIN 12.5 dBi



LINEAR POLARIZATION



DIRECTIONAL PATTERN / 28 ELEMENTS

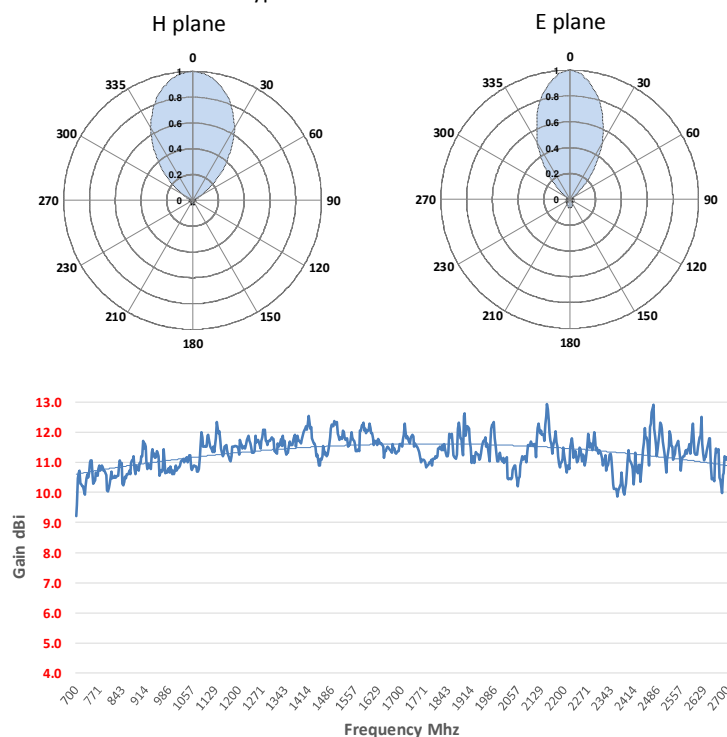


EXTREME CLEANING PATTERN



FULL RANGE 2G-3G-4G-5G-WIRELESS

Typ.beamwidth middle band



Antenna logaritmica periodica per le bande telefoniche 2G-3G-4G-5G LTE-GSM-DCS-UMTS 690-2700 Mhz. Estrema pulizia dei diagrammi di radiazione ed assenza totale di lobi secondari. Ottima per essere impiegata in installazioni di micro ripetitori telefonici, radio modem, ponti radio ed individuazione di sorgenti interferenti

Wind surface	m ²	Front 0.005 side 0.1
Front wind load	Kg	0.01 (160 Km/h)
Side wind load	Kg	1.15 (160 Km/h)

PACKAGING mm 1100x200x200 / weight 1 Kg



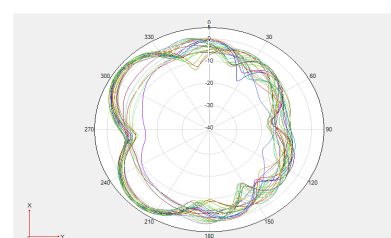
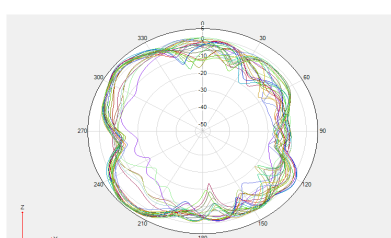
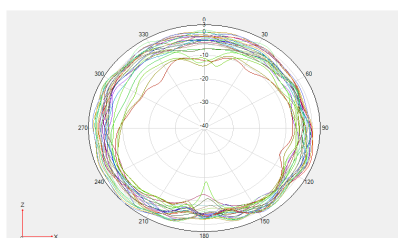
8874-ANTOEGDUL

OMNI WHIP ANTENNA

880-2700MHZ



Model	8874-ANTOEGDUL	
Electrical specifications		
Frequency range (MHz)	880-960	1710-2700
Gain (dBi)	3	
Beamwidth	360°/Horizontal	75°/Vertical
Polarization	Vertical	
Impedance (Ω)	50	
VSWR	≤3.5	≤2.5
Maximum input power (W)	50	
Mechanical specifications		
Connector	SMA male	
Diameter (mm)	Φ13×165	
color	White	
Antenna weight (g)	20	
Operating temperature (°C)	-40~+60	





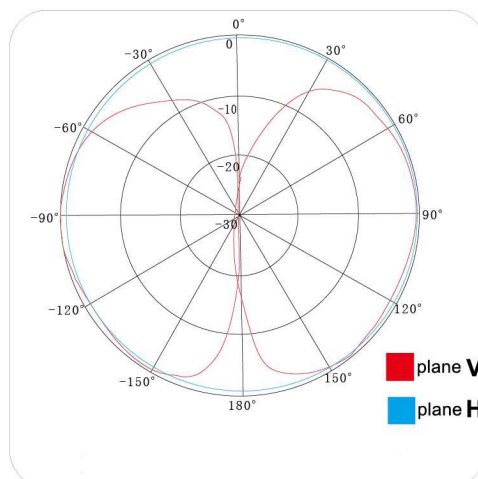
8980-AGDU4

OMNIDIRECTIONAL SERIES

4dBi



ELECTRICAL SPECIFICATIONS	
Frequency Range	690~2700 MHZ
Gain	4/5dBi
Horizontal Beamwidth	360°
Vertical Beamwidth	25°/16°
Polarization	Vertical
VSWR	≤ 2
Power Capacity	100 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	Φ63x200mm
Weight	0,4 KG
Radome Material	ABS
Ambient temperature	Temperature Range -40°C~+60°C
Wind speeds	Rated Wind Speed 150km/h
Support pole diameter	Φ30-Φ53 (mm)





8984N-A GDU N

OMNIDIRECTIONAL SERIES

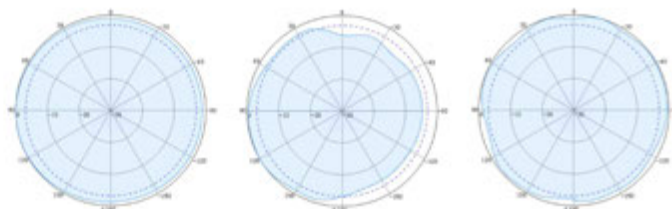
6/8dBi



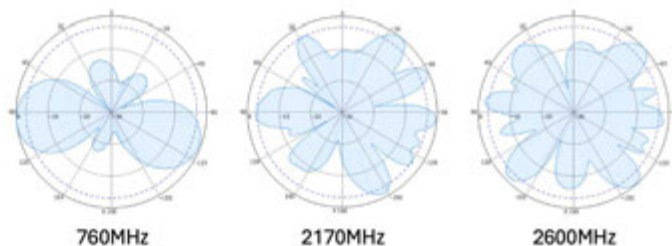
ELECTRICAL SPECIFICATIONS	
Frequency Range	690~2700 MHz
Gain	6/8dBi
Horizontal Beamwidth	360°
Vertical Beamwidth	25°/16°
Polarization	Vertical
Front-to-back-ratio	---
Power Capacity	100 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	Φ60x600mm
Weight	3 KG
Radome Material	PVC
Ambient temperature	Temperature Range -40℃~+60℃; Maximum temperature -55℃~+70℃
Wind speeds	Rated Wind Speed 60m/s
Support pole diameter	Φ30-Φ60(mm)

Radiation Patterns

Horizontal



Vertical



760MHz

2170MHz


2600MHz



8986N-AOGDUN

INDOOR OMNI SERIES

6dB

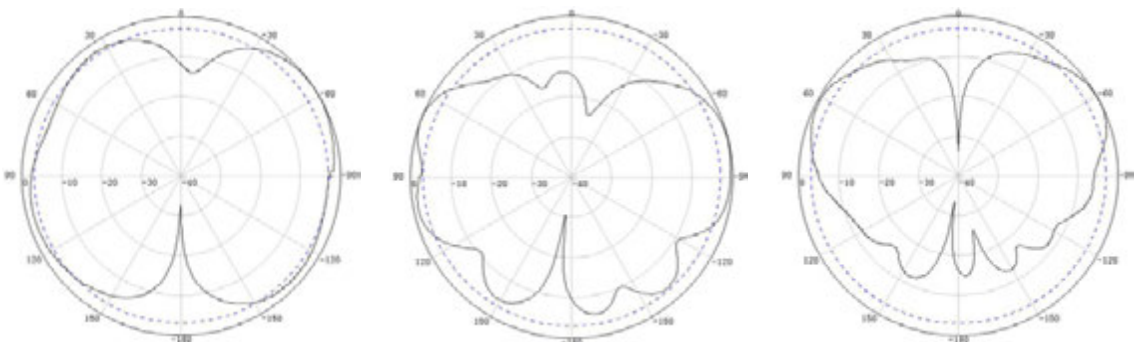
Model	8986N-AOGDUN		Product Picture
Frequency Range	698~960MHz	1710~2700MHz	 <div><div>698-960 1710-2700Mhz</div><div>↓</div><div>Port 1</div></div>
Impedance	50Ω		
VSWR	≤ 1.80	≤ 1.50	
Gain	2dB	6dB	
Polarization	Vertical		
Horizontal Beamwidth	360°		
Vertical Beamwidth	60°	35°	
Maximum Power	50W		
Intermodulation	-150dBc@2X43dBm		
Connector Type	N/Female *		
Lightning Protection	DC Ground		
Dimension	Φ203×98mm (Packing: 210X210X110mm)		
Radome material	ABS,White Color		
Work Temperature	-55~+60℃		
Weight	0.40kg (0.45kg Packing Weight)		

Antenna Radiation Patterns:

Horizontal
Pattern



Vertical
Pattern



900MHz


1710MHz

2500MHz

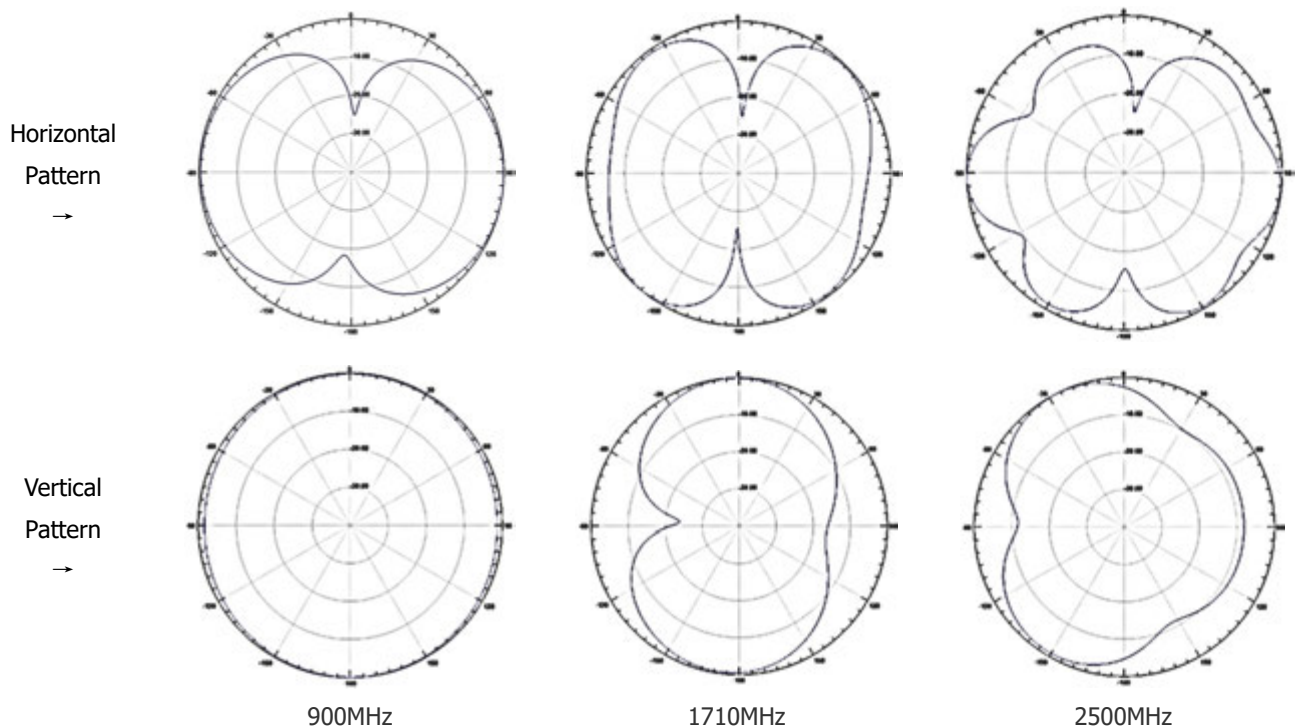


8987N4-AFLATSLIM INDOOR OMNI SERIES

7dB

Model	8987N4-AFLATSLIM						Product Picture
Frequency Range	617~806	806~960	1350~1550	1690-2700	3300~3800	4900-6000	 <div data-bbox="1104 938 1479 1034">617-806/806-960/1350-1550 1690-2700/3300-3800/4900-6000</div> <div data-bbox="1211 1097 1391 1158">Port 1</div>
Impedance	50Ω						
VSWR	≤ 1.8						
Gain	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0	6.0±1.0	
Polarization	Horizontal						
Maximum Power	50W						
Intermodulation	-153dBc@2X43dBm						
Connector Type	N/Female or 4.3-10 Female						
Lightning Protection	DC Ground						
Dimension	Φ220×18mm						
Radome material	ABS,White,RAL9003						
Work Temperature	-55~+60℃						
Weight	0.30kg						

Antenna Radiation Patterns:



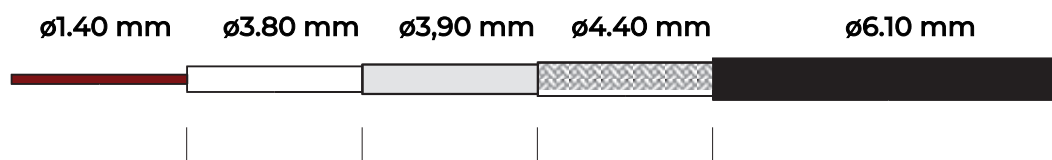
All specifications are subject to change without notice.



LMR240LSZH

RF COAXIAL CABLE

DOUBLE SHIELD 50 Ohm



MECHANICAL CHARACTERISTICS

A) Inner Conductor	Red Copper.....	ø1.40 mm
	Foam Polyethylene.....	ø3,80 ±0,1 mm
B) Dielectric	Aluminum Foil + Polyester + Aluminum.....	ø3.9
C) Shield	Covering.....	100%
	Tinned Copper.....	112 x 0,12 mm
D) Braid	Covering.....	80%
	Polyvinylchloride no contaminant.....	ø6.10 ± 0,1 mm
E) Jacket	Black - RAL 9004	
- Colour		

Min. Bending Radius (mm)

-Single Fold..... 30.5

-Multiple Fold..... 61

Operating Temperature..... -30 to +70°C

Cable Weight (Kg/Km)..... 58

ELECTRICAL CHARACTERISTICS AT 20°C

Impedance.....	50 nom.
Capacitance.....	80 pF/m
Propagation Velocity.....	84%

Resistance	
-Inner Conductor.....	11,5Ohm/Km
-Outer Conductor.....	14,5Ohm/Km
Voltage	
- Sheath insulation spark test.....	4,0 kV

ATTENUATION dB/100 m

5 MHz.....	1.9	500 MHz.....	18.1	1750 MHz.....	36.0
10 MHz.....	2.5	600 MHz.....	20.0	2150 MHz.....	40.4
50 MHz.....	5.7	800 MHz.....	23.5	2250 MHz.....	40.8
100 MHz.....	7.8	1000 MHz.....	26.0	2500 MHz.....	43.7
200 MHz.....	11.1	1350 MHz.....	31.4	2750 MHz.....	45.9
300 MHz.....	13.8	1500 MHz.....	32.9	3000 MHz.....	49.9

SHIELDING EFFICIENCY dB

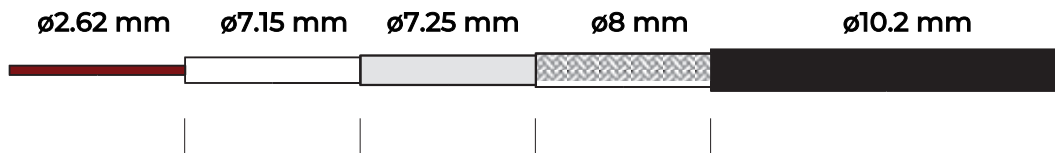
100÷900 MHz.....	>95
900÷2000 MHz.....	>85
2000÷3000 MHz.....	>75



LMR400LSZH

RF COAXIAL CABLE

CLASS A 50 Ohm



MECHANICAL CHARACTERISTICS

A) Inner Conductor	Red Copper.....	$\varnothing 2,62$ mm
B) Dielectric	Gas injected foam PE.....	$\varnothing 7,15 \pm 0,1$ mm
C) Shield	Copper tape Covering.....	100%
D) Braid	Braid Copper.....	$\varnothing 7,25 \pm 0,1$ mm
	Covering.....	$\varnothing 80\%$
E) Jacket	Polyvinylchloride no contaminant.....	$\varnothing 8 \pm 0,1$ mm
- Colour	LSZH (UV resistant) 1mm Black	$\varnothing 10,2 \pm 0,2$ mm

Min. Bending Radius..... 8 times the outer diameter

Cable Weight (g/m)..... 140

Operating Temperature..... -20°C to $+70^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS AT 20°C

Impedance.....	$50 \pm 0,2$ Ohm	Resistance	
Capacitance.....	$80 \pm 0,2$ pF/m	-Inner Conductor.....	3.2Ohm/Km
Propagation Velocity.....	84%	-Outer Conductor.....	3.4Ohm/Km
Insulation DC isolation.....	3kVdc		
Outersheat isolation.....	2kVdc		

ATTENUATION dB/100 m @ 20°C

10 MHz.....	1,7	470 MHz.....	9.8	1750 MHz.....	18.9
50 MHz.....	3.3	860 MHz.....	12.6	2150 MHz.....	21.0
100 MHz.....	4.6	1000 MHz.....	14.5	3000 MHz.....	24.8
230 MHz.....	6.2	1350 MHz.....	15.7	5800 MHz.....	36.6

MAX RF POWER @ 40°C (IEC 1196)

14 MHz.....	1,30KW
432 MHz.....	0,30KW
1296 MHz.....	0,17KW



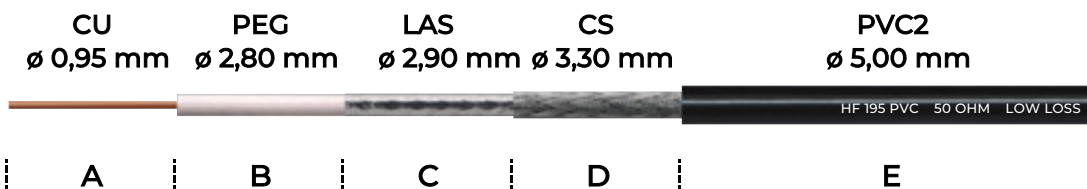
HF 195

COAXIAL CABLE

HIGH PERFORMANCE 50 Ohm

Classe CPR

E_{ca}



CARATTERISTICHE MECCANICHE

A	CONDUTTORE INTERNO	RAME ROSSO	ø 0,95 mm
B	DIELETTRICO	POLIETILENE ESPANSO A GAS SKIN-FOAM-		ø 2,80 ± 0,10
C	SCHERMO	SKIN LAMINA COLLANTE DI ALL + PET + ALL		mm h. 12 mm
		- RICOPERTURA	100%
D	TRECCIA	RAME STAGNATO	144 x 0,10 mm
		- RICOPERTURA	94%
E	GUAINA	POLIVINILCLORURO NON		ø 5,00 ± 0,10
	- COLORE	CONTAMINANTE NERA - RAL 9004		mm
	- MARCATURA	## METER ## HF 195 PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM		
		0,95 / 2,80 / 5,00 MADE IN ITALY CE 58 SETT/ANNO EN 50575:2014 + A1:2016		Eca

MINIMO RAGGIO DI CURVATURA (mm)

- PIEGA SINGOLA ø ESTERNO X 5
- PIEGA MULTIPLA ø ESTERNO X 10

TEMPERATURA D'ESERCIZIO -30°C / +70°C

PESO DEL CAVO (Kg/Km)

- RAME 16,9
- PLASTICA 19,6
- TOTALE 38,0

CARATTERISTICHE ELETTRICHE a 20°C

IMPEDENZA @ 200	50 ± 1,5 Ohm	RESISTENZA	
MHz CAPACITA'	84 pF/m	- COND. INTERNO	25,2 Ohm/Km
VELOCITA' DI PROPAGAZIONE	80%	- COND. ESTERNO	11,9 Ohm/Km
		TENSIONE	
		- ISOLAM. GUAINA	4,0kV
		SPARK TEST	

ATTENUAZIONI dB/100 m.

		dB	W
5	MHz	2,7	1980
10	MHz	3,6	1400
30	MHz	6,0	808
50	MHz	7,7	626
150	MHz	12,5	361
220	MHz	15,2	298

POTENZA MASSIMA W

		dB	W
450	MHz	22,2	209
600	MHz	26,0	181
800	MHz	30,3	157
900	MHz	32,2	148
1000	MHz	34,4	140
1500	MHz	43,1	114

		dB	W
1800	MHz	47,6	104
2000	MHz	50,6	99
2500	MHz	56,7	89
3000	MHz	62,4	81
5200	MHz	85,9	61
5800	MHz	91,4	58

PERDITE CUMULATIVE DI RIFLESSIONE (SRL) dB

30 ÷ 450	MHz	>25	2000 ÷ 3000MHz	>19
450 ÷ 1000	MHz	>23	3000 ÷ 4000MHz	>16
1000 ÷ 2000	MHz	>22	4000 ÷ 5800MHz	>13

EFFICIENZA DI SCHERMATURA dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000MHz		>70

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.



CELLFLEX

RF COAXIAL CABLE

1/2"R LOW LOSS



MECHANICAL CHARACTERISTICS

A) Inner conductor	Copper Clad Aluminium.....	ø3,80 ±0,05mm
B) Insulation	Physically foamed PE.....	ø12,20 ±0,2mm
C) Outer conductor	Ring corrugated Copper.....	ø13,70 ±0,2mm
D) Jacket - Colour	LSZH PE_B2ca s1a,d1,a1..... Black	ø15,60 ±0,20mm

Min. Bending Radius (mm)

Single Fold..... 70

Multiple Fold..... 125

Maximum tensile strength (N)..... ≥1130

Recommended max clamp spacing (m)..... 1

ELECTRICAL PROPERTIES

Impedance.....	50±3Ω	Screening attenuation.....	>120dB
Capacitance.....	76 pF/m	Cut-off frequency.....	8.8 GHz
Propagation Velocity.....	86%	DC breakdown Voltage.....	4.0 kV
Inductance.....	0,19μH/m	Insulation resistance.....	>5000MΩ*km
Peak power rating.....	40 kW	PIM.....	≤-160dBc@(2×20W)

ATTENUATION @ 20°C, dB/100m(dB/100ft)

100 MHz.....	2.17	2000 MHz.....	10.70
450 MHz.....	4.75	3000 MHz.....	13.40
690 MHz.....	5.97		
800 MHz.....	6.46		
900 MHz.....	6.85		
1000 MHz.....	7.28		

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.



CELLFLEX

RF COAXIAL CABLE

1/4"R LOW LOSS



MECHANICAL CHARACTERISTICS

A) Inner conductor	Copper Clad Aluminium.....	ø2.40mm
B) Insulation	Physically foamed PE.....	ø6.40mm
C) Outer conductor	Ring corrugated Copper.....	ø7.50mm
D) Jacket - Colour	LSZH PE_B2ca s1a,d1,a1..... Black	ø10mm

Min. Bending Radius (mm)

Single Fold..... 30

Multiple Fold..... 76

Maximum tensile strength (N)..... 910

Recommended max clamp spacing (m)..... 1

ELECTRICAL PROPERTIES

Impedance.....	50±1Ω	Screening attenuation.....	>120dB
Capacitance.....	76.8 pF/m	Cut-off frequency.....	15.8 GHz
Propagation Velocity.....	84%	DC breakdown Voltage.....	2.2 kV
Inductance.....	0,19μH/m	Insulation resistance.....	>5000MΩ*km
Peak power rating.....	12.1 kW	PIM.....	≤-160dBc@(2×20W)

ATTENUATION @ 20°C, dB/100m(dB/100ft)

100 MHz.....	4.05	2000 MHz.....	20.00
450 MHz.....	8.88	3000 MHz.....	25.17
690 MHz.....	11.17		
800 MHz.....	12.10		
900 MHz.....	12.80		
1000 MHz.....	13.60		

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.



LSZHB2CA

RF COAXIAL CABLE

7/8" R LOW LOSS



MECHANICAL CHARACTERISTICS

A) Inner conductor	Copper tube	$\varnothing 8.60 \pm 0.03 \text{ mm}$
B) Insulation	Physically foamed PE.....	$\varnothing 22.5 \pm 0.40 \text{ mm}$
C) Outer conductor	Ring corrugated Copper.....	$\varnothing 24.60 \pm 0.30 \text{ mm}$
D) Jacket - Colour	LSZH PE_B2ca s1a,d2,a1..... Black	$\varnothing 26.90 \pm 0.30 \text{ mm}$

Min. Bending Radius (mm)

Single 120

Multiple 250

Maximum tensile strength (N)..... 1470

Recommended max clamp spacing (m)..... 1

ELECTRICAL PROPERTIES

Impedance.....	$50 \pm 3 \Omega$	Screening attenuation.....	>120dB
Capacitance.....	75 pF/m	Cut-off frequency.....	5.5 GHz
Propagation Velocity.....	86%	DC breakdown Voltage.....	6kV
Inductance.....	0,19μH/m	Insulation resistance.....	>5000MΩ*km
Peak power rating.....	91 kW	PIM.....	≤-160dBc@(2×20W)

ATTENUATION @ 20°C, dB/100m(dB/100ft)















100 MHz.....	1.19	2000 MHz.....	6.11
450 MHz.....	2.65	3000 MHz.....	7.76
690 MHz.....	3.35		
800 MHz.....	3.63		
900 MHz.....	3.88		
1000 MHz.....	4.12		


















La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.

ACCESSORI STRUMENTI

ACCESSORI

CONNETTORI
ADATTATORI
ATTENUATORI
SCARICATORI DI TENSIONE
PINZE

Model	Foto	Description
CONNETTORI		
5980-CMDSMA		Connettore SMA maschio a crimpare diritto ø 5mm; ø 7mm
5981-CMASMA		Connettore SMA maschio a crimpare 90° ø 5mm
5998-CFNP		Connettore N femmina per cavo da 5mm
5998-CFNM		Connettore N femmina per cavo da 7mm
5998-CFNG		Connettore N femmina per cavo da 10,7mm
5998-CMNP		Connettore N maschio per cavo da 5mm
5998-CMNM		Connettore N maschio per cavo da 7mm
5998-CMNG		Connettore N maschio per cavo da 10,7mm
5998-CMNGA		Connettore N maschio ad angolo per cavo da 10,7mm
5998-CMNCELF		Connettore N maschio per cavo CELFLEX 1/2 pollice
5998-CMNCELFAG		Connettore N maschio ad angolo per cavo CELFLEX 1/2 pollice
5998-CMNCELFP		Connettore N maschio per cavo CELFLEX 1/4 pollice
5998-CMNCELFPA		Connettore N maschio ad angolo per cavo CELFLEX 1/4 pollice
5998-CFN7-8		Connettore N femmina per cavo 7/8"

5998-CMN7-8		Connettore N maschio per cavo 7/8"
ADATTATORI		
5851-SNAM-NF		Adattatore SMA maschio "N" 50Ω femmina
5851A-SMAF-FM		Adattatore SMA femmina / F maschio
5851B-SMAM-FM		Adattatore SMA maschio / F maschio
5851C-SMAF-FF		Adattatore SMA femmina / F femmina
5851D-SMAM-FF		Adattatore SMA maschio / F femmina
5851E-SMAF-SMAF		Adattatore SMA femmina / SMA femmina
5865-SMAF-NM		Adattatore SMA femmina "N" 50Ω maschio
5882-AFN-FN		Adattatore "N" 50Ω femmina "N" 50Ω femmina
5991-AMN-MN		Adattatore "N" 50Ω maschio "N" 50Ω maschio
5992-AFN-MF		Adattatore "N" 50Ω femmina "F" 75Ω maschio
5994-AMN-FF		Adattatore "N" 50Ω maschio "F" 75Ω femmina
SCARICATORE		
8711-SCA		Scaricatore di tensione per cavo coassiale
TERMINAZIONI E ATTENUATORI RF E OTTICI		
5995-RCN		Resistenza coassiale maschio 50Ω "N"
5165-AD9N		Attenuatore coassiale diritto conn. "N" 50Ω femmina Frequenza 700-2700Mhz
3B3001-FOATTSC		Attenuatore ottico SC/FC
PINZA CRIMPATRICE		
6421C-PCP		Crimpatrice per cavo LMR400, LMR240, HF195, RG58, RG59, RG142



SPLITTER-TRASMETTITORI

2/3/4 WAY RF
2/4/8/16/32/64 WAY OTTICI
TX-RX OTTICO

Consentono di collegare più antenne ad un amplificatore per
espandere l'area di copertura del segnale

Model	Foto	Description
SPLITTER RF		
5521-2SPN8		Splitter a 2 vie -4dB conn. N femmina Frequenza 700-5000MHz
5520-3SPN8		Splitter a 3 vie -6dB conn. N femmina Frequenza 700-5000MHz
5521-4SPN8		Splitter a 4 vie -8dB conn. N femmina Frequenza 700-5000MHz
5522-1DEN8		Derivatore 10UT -8dB Frequenza 3800MHz

SPLITTER OTTICI		
3B3021-FOSP02SC		Splitter ottico micro a 2 vie SC/SC
3B3022-FOSP04SC		Splitter ottico micro a 4 vie SC/SC
3B3023-FOSP08SC		Splitter ottico micro a 8 vie SC/SC
3B3024-FOSP016SC		Splitter ottico micro a 16 vie SC/SC
3B3025-FOSP032SC		Splitter ottico micro a 32 vie SC/SC
3B3026-FOSP064SC		Splitter ottico micro a 64 vie SC/SC
3B3030-PIGTAIL		Connettore SC/APC
TX-RX OTTICO		
3B2113-TX-RX		TX-RX ottico 10mW con ACG TX 1310nm RX 1260-1600nm SC/APC, FC/APC
3B2114-TX-RX N		Tx-rx ottico 10mW conn. "N" con ACG TX 1310nm RX 1260-1600nm SC/APC, FC/APC
3B2020A-ORH ACG		Mini ricevitore conn. "F" con ACG



FIB 11 KIT GIUNTATRICE OTTICA

Conformi alla normativa
IEC 62321-4:2013+A1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015
IEC 62321-7-2:2017
IEC 62321-8:2017
EN 55032:2015+A1:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A2:2024
EN 61000-3-3:2013+A2:2021+AC:2022

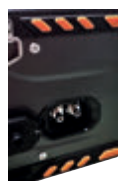
- GIUNTATRICE OTTICA
- TAGLIERINA PER FIBRA AUTOMATICA E MANUALE
- COPPIA ELETTRODI DI RICAMBIO
- SPELAFIBRA
- CONTENITORE PER LIQUIDO DI PULIZIA
- PENNELLO
- ALIMENTATORE PER GIUNTATRICE
- TRACCOLLA PER GIUNTATRICE
- FIBRA OTTICA PER TEST
- TUBETTI TERMORETRAIBILI PER GIUNZIONI FIBRA
- VALIGIA



TAGLIERINA AUTOMATICA
E MANUALE



ELETTRODI



POWER METER
VFL/OPM



SPELAFIBRA



SUPPORTO IN CERAMICA (V)
AD ALTA PRECISIONE

MODEL	8201-FIB11
Applicable Fibers	SM(G.652); MM(G.651); DSF(G.653); NZDS(G.655)
Splice Loss	0.02dB(SMF); 0.01dB(MMF); 0.04dB(DS/NZDS)
Focus Mode	6 motori AUTO FOCUS
Fiber Alignment	CORE/CLADDING
Typical Splicing Time	8S
Typical Heating Time	18 S
Electrode Life	3000 times
Fiber Diameter	CLADDING 80-150µm/COATING 0.1-3mm
Fiber Cleave Length	Coating less than 250m:8-16mmCoating less m250-1000µm:16mm
Heating Shrinkable Tube	20mm, 30mm, 40mm, 50mm, 60mm
Tension Test	1.96-2.25N
Screen	4.3 inch touch LCD color screen
Battery	5200 mA high-capacity lithium battery, charging time ≤ 3.5 hours, continuous splicing and heating about 240 times
Power Supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4A
Operating Condition	Temperature -15°~+50 °C, humidity: <95% RH (no condensation), Working altitude: 0-5000m. Resist max. wind speed: ≤ 15m/s
Size/Weight	156x155x152mm/1.74Kg



COMBO METER

T2/S2/C

MOBILE

WiFi, OPTICAL POWER



8112-AIR 9

Le sue dimensioni contenute ed il peso ridotto lo rendono estremamente pratico in ogni situazione. Dotato di una robusta custodia di protezione per proteggere le parti più sensibili dello strumento.

MISURE DIGITALI TV, SAT, SEGNALI TELEFONIA, WiFi e OPTIC POWER, DAB+FM.

Permette di eseguire le misure per segnali analogici, di telefonia mobile, DVB-T/T2, DVB-S/S2 e DVB-C come: BER pre e post-Viterbi, MER, C/N, ecc.

TELEALIMENTAZIONE INCLUSA DA 5V A 20V.

Supporta anche la compatibilità per DiSEqC 1.2, SatSCR e DCSS.

Il misuratore include un analizzatore di spettro, permette la visione del diagramma di costellazione (DVB-S/S2, DVB-T/T2 e DVB-C) ed ECHI.

TORCIA LED. Il misuratore è dotato di illuminazione.

AGGIORNAMENTO SOFTWARE via USB.

Parameters	BANDA TERRESTRE	BANDA SATELLITE
Input Frequency	45 ~ 1200MHz	950 ~ 2150MHz
Signal input level	-90dB to 10dB	-80dB to 10dB
Alimentazione antenna	5V/12V/20V/250mA max	13V/18V/21V 500mA max
Demodulazione	QPSK, 16QAM, 64QAM, 256QAM, T/T2	QPSK, 8PSK, S/S2
Tipo sintonia	LCN on/off	
Valori	PWR, LEVEL, C/N, CBER, VBER, MER, COSTELL., T/T2	PWR, LEVEL, C/N, CBER, VBER, MER, COSTELL., S/S2
Standard	B/G, DVB-T/T2, DVB-C, CATV	DVB-S/S2
LNB		UNIVERSALE, DiSEqC, SCR, dCSS
Symbol rate		Da 1 a 45 Mbps FULL-selezione automatica
Video	MPEG-2 SD, MPEG-4 HD, HEVC H.265, 4K	
Audio	MPEG-1 Layer I/II, MPEG-2 Layer I/II	
WiFi	-10dB/-90dB	
Optical Power	+50dBm/-50dBm	
Connettore	ALL IN 75Ohm "F" male	
Porta dati/aggiornamento	USB	
Schermo	TOUCHSCREEN 9"	
Alimentazione	Adattatore principale 100~240V, uscita 12Vcc/2A	
ANALISI SPETTRO	In tempo reale TUNER ANALOGICO	
• Velocità scansione	SI	
• NIT (OSD) e immagine TV		
MISURA SEGNALE TELEFONICO		
Intervallo misurazione potenza	-80~10dB	
Banda LTE	800MHz	
Banda EGSM	900MHz	
Banda DCS	1800MHz	
Banda UMTS	2100MHz	
Banda LTE	2600MHz	
Batteria	Ioni di litio, 7, 4V/5000mA	
Autonomia/Tempo ricarica	2 ore/ 3 ore	
Dimensioni/Peso/Garanzia	35x175x255mm / 1,2Kg / 1 anno	