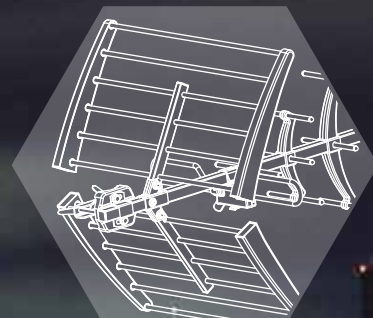


MULTIMEDIA-TV

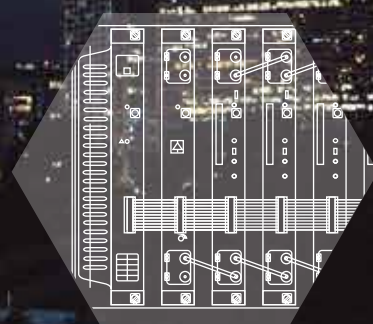
Reception and distribution of TV signals

ALCAD

TV RECEPTION



SIGNAL PROCESSING



SIGNAL DISTRIBUTION



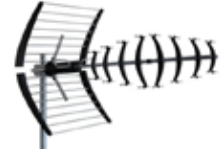
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ANTENNAS UHF-BIII-BI-FM

900 **Lte**
COMPATIBLE

CODE	TYPE	DESCRIPTION	PACK
LTE800 COMPATIBLE			
9000196	NEO-096	UHF, C/21-60, G=18 dBi	20
9000186	NEO-086	UHF, compact, C/21-60, G=18 dBi, with simple adjustment mechanism	30
9000107	NEO-046	UHF antenna NEO series compact, channels 21/60, G = 16 dBi, with simple adjustment mechanism	40
9000085	MX-046	UHF, MX series, c/ 21/60, G = 15 dBd	36
9000088	MX-076	UHF, channels 21/60, G = 17 dBd	27
9000084	BU-116	UHF, c/ 21/60, G = 12 dBd	12
9000082	BU-266	UHF, c/ 21/60, G = 13 dBd	80
9000086	GA-266	Box of 12 antennas BU-266, in separate plastic bags	10
9000083	BU-456	UHF, c/ 21/60, G = 14 dBd	56
9000087	GA-456	Box of 6 antennas BU-456, in separate plastic bags	12
9000089	BU-566	UHF, channels 21/60, G = 16 dBd	27
9000090	GA-566	Box of 6 antennas BU-566 in separate plastic bags	8

Until end
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9000188

LTE800 REJECTION			
9000188	NEO-088	UHF antenna NEO series compact, channels 21/60, LTE rejection filter, G = 18 dBi, with simple adjustment mechanism	30
9000108	NEO-048	UHF antenna NEO series compact, channels 21/60, LTE rejection filter, G = 16 dBi, with simple adjustment mechanism	40
9000092	MX-048	UHF antenna MX series, channels 21/60, LTE rejection filter, G = 15 dBd	36
9000104	BU-118	UHF antenna, channels 21/60, LTE rejection filter, G = 13 dBd (12 unit/box)	12
9000103	BU-288	UHF antenna, channels 21/60, LTE rejection filter, G = 10 dBd	80
9000101	BU-268	UHF antenna, channels 21/60, LTE rejection filter, G = 13 dBd	80
9000102	GA-268	Box of 12 antennas BU-268, code 9000101, in separate plastic bags	10
9000093	BU-458	UHF antenna, channels 21/60, LTE rejection filter, G = 14 dBd	56
9000100	GA-458	Box of 6 antennas BU-458, code 9000093, in separate plastic bags	12
9000091	AP-368	UHF array antenna, channels 21/60, LTE rejection filter, G = 14 dBd	2/44

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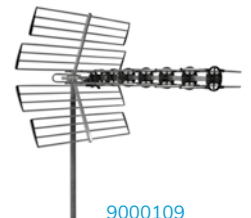
9000189

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LTE800 ACTIVE			
9000113	NEO-148	UHF Active antenna NEO series, channels 21/60, LTE rejection filter, G = 25 dBi, with simple adjustment mechanism	40

NEW

LTE700 COMPATIBLE			
9000187	NEO-087	UHF antenna NEO series compact, channels 21/48, G = 18 dBi, with simple adjustment mechanism	26
9000189	NEO-047	UHF antenna NEO series compact, channels 21/48, G = 16 dBi, with simple adjustment mechanism	33
9000109	MX-047	UHF antenna MX series, channels 21/48, G = 15 dBd	38
9000110	BU-117	UHF antenna, channels 21/48, G = 12 dBd	12
9000105	BU-267	UHF antenna, channels 21/48, G = 13 dBd	76
9000106	GA-267	Box of 12 antennas BU-267 in separate plastic bags	10
9000111	BU-457	UHF antenna, channels 21/48, G = 14 dBd	38
9000112	GA-457	Box of 6 antennas BU-457 in separate plastic bags	12



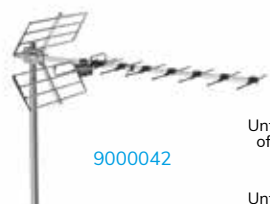
9000109

LTE700 REJECTION			
9000197	AP-367	UHF array antenna, channels 21/52 Australia, G = 14 dBd	2/44

UHF WHOLEBAND			
9000195	NEO-095	UHF, C/21-69, G=18 dBi, aluminium, easy mount	22
9000185	NEO-085	UHF, compact, C/21-69, G=18 dBi, with simple adjustment mechanism, aluminium, easy mount	33

Until end
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900 ANTENNAS UHF-BIII-BI-FM



9000042



9000043

CODE	TYPE	DESCRIPTION	PACK
UHF WHOLEBAND			
9000077	BU-115	UHF, C/21-69, 10 dBd (18 unit/box), aluminium, easy mount	18/216
9000046	BU-119	UHF, C/21-69, 13 dBd (12 unit/box), aluminium, easy mount	12/144
9000042	BU-269	UHF, C/21-69, 13 dBd, aluminium, easy mount	80
9000039	BU-289	UHF, C/21-69, 9 dBd, aluminium, easy mount	80
9000043	BU-569	UHF, C/21-69, 16 dBd, aluminium, easy mount	27
BIII			
9000063	BT-751	BIII, C/5-12, 7 elements, G=10 dBd, aluminium, easy mount	90
9000080	GA-751	Box of 20 antennas BT-751 in separate plastic bags	12
9000079	GA-451	BIII antenna, C/ 5/12, G = 6 dB	12

900 ANTENNAS FM-DAB

FM			
9000040	FM-102	FM, Frequency 87,5-108 MHz (2 unit box)	2/128
9000005	FM-200	FM, Frequency 87,5-108 MHz, Vertical and Horizontal polarisations	64
DAB			
9000071	BT-151	DAB, omnidirectional, vertical polarization, G=0 dBi, aluminum, easy mount	2/180

901 PREAMPLIFIERS



9010013

MX & UHF SERIES			
9010008	BR-401	UHF Preamplifier for antenna dipole box, low noise 1.4 dB, G=14 dB, F connector (24 Vdc)	1
9010009	BR-411	UHF Preamplifier for antenna dipole box, low noise 1.4 dB, G=14 dB, F connector (12 Vdc)	1
9010012	BR-441	UHF Preamplifier for antenna dipole box, low noise, 1.6 dB, G=14 dB, F connector (5 Vdc)	1
NEO HD SERIES			
9010013	BR-421	UHF Preamplifier for antenna NEO, low noise 1,4dB, G=14 dB, F connector (24 Vdc)	1
9010014	BR-431	UHF Preamplifier for antenna NEO, low noise 1,4dB, G=14 dB, F connector (12 Vdc)	1
LTE700 MX, UHF & NEO-04X SERIES			
NEW	9010018	BR-407 UHF Preamplifier for antenna dipole box, LTE700 rejection, G=12 dB, low noise, F connector (24 Vdc)	1



902 MAST FILTERS



9020016

SHIELDED, WITH "F" CONNECTOR			
Outdoor use, terrestrial only, with plastic case			
9020048	FR-619	LTE, TETRA & GSM rejection filter 60 dB, bandpass 5-790 MHz, for mast	24
9020051	FR-719	LTE C59, TETRA & GSM rejection filter 60 dB, bandpass 0-782 MHz, for mast	24
9020050	FR-519	LTE C58, TETRA & GSM rejection filter 60 dB, bandpass 0-774 MHz, for mast	24
9020052	FR-900	LTE700 C48 rejection filter 60 dB, bandpass 0-694 MHz, for mast	24
9020016	FR-413	Rejection filter composed by 4 filters of 14 dB adj.to UHF channels (adj. by end user)	24
9020047	FR-015	Tetra rejection filter 460-470 MHz	24

ANTENNA MULTIPLEXERS 902

CODE	TYPE	DESCRIPTION	PACK
SHIELDED, WITH "F" CONNECTOR			
Outdoor use, terrestrial only, with plastic case			
9020041	MM-200	2 Inputs TV/FM - TV/FM with switchable DC path on both inputs	24
9020040	MM-207	2 Inputs, UHF-VHF/FM without DC path	24
9020018	MM-208	2 inputs, UHF-VHF/FM with switchable DC path on both inputs	24
9020017	MM-303	3 inputs, UHF-BIII-FM with switchable DC path on UHF	24
9020042	MM-307	3 Inputs, UHF-UHF-VHF/FM with fixed DC path on UHF2	24
9020043	MM-406	4 Inputs, UHF-BIII-BI-FM with switchable DC path on BIII and UHF	24
9020044	MM-407	4 Inputs, UHF-UHF-BIII-BI/FM with switchable DC path on BIII and UHF2	24
Outdoor use, terrestrial and IF-SAT, with plastic case			
9020045	*MM-214	2 Inputs, FM/TV-SAT with fixed DC path on SAT	24
Indoor use, terrestrial and IF-SAT			
9020015	*ME-214	2 Inputs, FM/TV-SAT with fixed DC path on SAT	6
9020019	ME-213	3 inputs, FM/TV-SAT1-SAT2, 2 outputs, FM/TV/SAT1 - FM/TV/SAT2, DC path on SAT1 and SAT2	6
*with LNB feeding through the SAT input			

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9020040

MAST BROADBAND AMPLIFIERS 903

Lte
 COMPATIBLE

LTE800 COMPATIBLE			
9030165	AM-160	1 Input, UHF G=20 dB, LTE rejection (24 Vdc)	24
9030163	AM-165	1 Input, UHF G=32 dB, LTE rejection (24 Vdc)	24
9030187	AM-167	1 or 2 inputs, UHF+DAB, gain 32 dB, LTE rejection (24 Vdc)	24
9030178	AM-173	1 input, UHF/BIII, gain 20 dB, LTE rejection (12 Vdc)	24
9030188	AM-177	1 or 2 inputs, UHF+DAB, gain 32 dB, LTE rejection (12 Vdc)	24
9030142	AM-246	Mast amplifier 2 inputs, UHF-DAB/FM, UHF gain 32 dB, DAB/FM gain 20 dB, power supply 24 Vdc	24
9030166	AM-262	2 Inputs, UHF-DAB/FM, UHF G=20 dB, DAB/FM G=10dB, LTE rejection (24 Vdc)	24
9030164	AM-266	2 inputs, UHF-DAB/FM, UHF G=32dB, DAB/FM G=20dB, LTE rejection (24 Vdc)	24
9030175	AM-270	2 inputs, UHF-BIII/DAB, UHF gain 20 dB, DAB/FM gain 10 dB, LTE rejection (12 Vdc)	24
9030176	AM-274	2 inputs, UHF-BIII/DAB, UHF gain 34 dB, BIII/DAB gain 22 dB, LTE rejection (12 Vdc)	24
9030172	AM-362	3 Inputs, UHF-UHF-DAB/FM, UHF G=20 dB, DAB/FM G=10dB, LTE rejection (24 Vdc)	24
9030171	AM-366	3 Inputs, UHF-UHF-DAB/FM, UHF G=32 dB, DAB/FM G=20dB, LTE rejection (24 Vdc)	24
9030177	AM-374	3 inputs, UHF-UHF-BIII/DAB, UHF G= 34 dB, BIII/DAB G= 20 dB, LTE rejection (12 Vdc)	24
9030179	AM-911	3 inputs, UHF-BIII/DAB-FM, UHF G=32 dB, BIII/DAB-FM G=20 dB, LTE rejection, (24 Vdc)	24
9030180	AM-912	3inputs,UHF-BIII/DAB-FM,UHFgain32dB,BIII/DAB-FMgain20dB,LTErejection(12Vdc)	24
9030190	AM-913	2 inputs, UHF-DAB, UHF G=40 dB, DAB G=28 dB, LTE rejection, 2 outputs, (24 Vdc)	24

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903 SERIES



9030190



903 MAST BROADBAND AMPLIFIERS



9030192



9030205



9030150

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9030048

CODE	TYPE	DESCRIPTION	PACK
LTE700 COMPATIBLE			
9030185	AM-183	1 or 2 inputs, UHF+BIII/FM, gain 24 dB, LTE 694 MHz rejection (12 Vdc)	24
9030186	AM-187	1 or 2 inputs, UHF+BIII/FM, gain 32 dB, LTE 694 MHz rejection (12 Vdc)	24
9030192	AM-190	1 input, UHF, gain 20 dB, LTE700 rejection, power supply 24 Vdc	24
9030193	AM-195	1 input, UHF, gain 32 dB, LTE700 rejection, power supply 24 Vdc	24
9030194	AM-292	2 inputs, UHF-DAB/FM, UHF gain 20 dB, DAB/FM gain 10 dB, LTE700 rejection (24 Vdc)	24
9030195	AM-296	2 inputs, UHF-DAB/FM, UHF gain 32 dB, DAB/FM gain 20 dB, LTE700 rejection (24 Vdc)	24
9030200	AM-387	3 inputs, UHF-BIIII/DAB-FM, UHF G=32 dB, BIIII/DAB-FM G=20 dB, LTE700 rejection (12 Vdc)	24
9030201	AM-397	3 inputs, UHF-BIIII/DAB-FM, UHF G=32 dB, BIIII/DAB-FM G=20 dB, LTE700 rejection (24 Vdc)	24
9030205	AM-487	4 inputs, UHF-UHF-BIIII/DAB-FM, UHF G=32 dB, BIIII/DAB-FM G=20 dB, LTE700 rejection (12 Vdc)	24
9030204	AM-497	4 inputs, UHF-UHF-BIIII/DAB-FM, UHF G=32 dB, BIIII/DAB-FM G=20 dB, LTE700 rejection (24 Vdc)	24
9030196	BO-190	Kit amplifier AM-190 & power supply . Mast amplifier 1 input, UHF, gain 20 dB, LTE700 rejection, power supply 24 Vdc. Power supply 24 Vdc 100 mA 230 Vac.	24
9030197	BO-195	Kit amplifier AM-195 & power supply. Mast amplifier 1 input, UHF, gain 32 dB, LTE700 rejection, power supply 24 Vdc. Power supply 24 Vdc 100 mA 230 Vac.	24
9030198	BO-292	Kit amplifier AM-292 & power supply. Mast amplifier 2 inputs, UHF-DAB/FM, UHF gain 20 dB, DAB/FM gain 10 dB, LTE700 rejection, power supply 24 Vdc. Power supply 24 Vdc 100 mA 230 Vac.	24
9030199	BO-296	Kit amplifier AM-296 & power supply. Mast amplifier 2 inputs, UHF-DAB/FM, UHF gain 32 dB, DAB/FM gain 20 dB, LTE700 rejection (24 Vdc). Power supply 24 Vdc 100 mA 230 Vac.	24
9030202	BO-397	Kit amplifier AM-397 & power supply. Mast amplifier 3 inputs, UHF-BIIII/DAB-FM, UHF gain 32 dB, BIIII/DAB-FM gain 20 dB, LTE700 rejection (24 Vdc). Power supply 24 Vdc 100 mA 230 Vac.	24
9030206	BO-497	Kit amplifier AM-497 & power supply. Mast amplifier 4 inputs, UHF-UHF-BIIII/DAB-FM, UHF gain 32 dB, BIIII/DAB-FM gain 20 dB, LTE700 rejection, power supply 24 Vdc. Power supply 24 Vdc 100 mA 230 Vac.	24

BROADBAND, SHIELDED WITH "F" CONNECTOR

UHF Gain = 20 dB, output level 108 dBμV

9030150	AM-150	1 Input, UHF/DAB/FM G=20 dB (12 Vdc)	24
9030155	AM-342	3 Inputs, UHF-UHF-DAB/FM (24 Vdc)	24

UHF gain = 32 dB, output level 108 dBμV

9030147	AM-155	1 Input, UHF, G=32 dB (12 Vdc)	24
9030148	AM-256	2 Inputs, UHF-DAB/FM (12 Vdc)	24
9030143	AM-346	3 Inputs, UHF-UHF-DAB/FM (24 Vdc)	24
9030149	AM-356	3 Inputs, UHF-UHF-DAB/FM (12 Vdc)	24

9030182	AM-447	4 inputs, UHF-UHF-BIIII/DAB-BI/FM, UHF gain 32 dB, BIIII/DAB-BI/FM gain 20 dB, (24 Vdc)	24
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UHF gain = 24 dB, output level 108 dBμV

9030122	AM-930	1 Input, UHF G = 24 dB, 4 outputs (12 Vdc)	24
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GROUP OF CHANNELS, SHIELDED WITH "F" CONNECTOR

UHF gain = 36 dB, output level 106 dBμV

9030048	*AM-309	3 Inputs, UHF-UHF-VHF (24 Vdc)	24
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* Each UHF input can be freely chosen, for low channels, high channels, intermediate channel groups and monochannels, both for amplification and rejection. The maximum number of rejected channel for intermediate channel groups is five. Indicate the DC path in the UHF inputs, if needed.

POWER SUPPLIES FOR MAST AMPLIFIERS

903

CODE	TYPE	DESCRIPTION	PACK
SHIELDED WITH "F"CONNECTOR			
9030086	AL-100	2 outputs, 24Vdc 100 mA Power Supply (230 Vac)	24
9030087	AL-105	2 outputs, 12 Vdc 100 mA Power Supply (230 Vac)	24
9030119	AL-125	2 outputs, 12 Vdc 100 mA Power Supply (230 Vac), UK plug	24
9030103	AL-110	4 outputs, 24 Vdc 100 mA Power supply (230 Vac)	24
9030134	AL-130	5 outputs, 24 Vdc 100 mA Power supply (230 Vac)	24



Until end
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9030086

BROADBAND AMPLIFIERS + POWER SUPPLY

903

Lte
COMPATIBLE

LTE800 COMPATIBLE			
9030169	BO-160	Amplif. AM-160 + Power Supply (24 Vdc), LTE rejection	24
9030167	BO-165	Amplif. AM-165 + Power Supply (24 Vdc), LTE rejection	24
9030170	BO-262	Amplif. AM-262 + Power Supply (24 Vdc), LTE rejection	24
9030168	BO-266	Amplif. AM-266 + Power Supply (24 Vdc), LTE rejection	24
9030191	BO-913	Amplif. AM-913 + Power Supply (24 Vdc), LTE rejection	24
9030174	BO-362	Amplif. AM-362 + Power Supply (24 Vdc), LTE rejection	24
9030173	BO-366	Amplif. AM-366 + Power Supply (24 Vdc), LTE rejection	24
9030181	BO-911	Amplif. AM-911 & Power supply (24 Vdc), LTE rejection	24



Until end
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9030191

Until end
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BROADBAND, SHIELDED WITH "F" CONNECTOR			
9030159	BO-342	Amplif. AM-342 + Power Supply (24 Vdc)	24
9030162	BO-346	Amplif. AM-346 + Power Supply (24 Vdc)	24

Until end
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904 INDOOR DOMESTIC AMPLIFIERS



9040129



9040050



9040071



9040130

CODE	TYPE	DESCRIPTION	PACK
LTE700 COMPATIBLE			
9040129	AI-270	Splitband amplifier 1 input, 2 outputs, UHF-VHF/S, UHF gain 24 dB, VHF/S gain 14 dB, LTE700 rejection (230 Vac)	24
LTE800 COMPATIBLE			
9040125	AI-240	1 input, 2 outputs, UHF-VHF/S, UHF G=24 dB, VHF/S G=14 dB, LTE rejection (230 Vac)	24
SPLITBAND AMPLIFIERS, SHIELDED WITH "F"CONNECTOR			
Output level 102 dB μ V (DIN 45004 B)			
9040050	AI-200	1 Input, 2 Outputs, UHF-VHF/Interband, G=24dB (230 Vac)	24
9040063	AI-400	1 Input, 4 Outputs, UHF-VHF/Interband, G=28dB (230 Vac)	24
Output level 104/91 dB μ V (DIN 45004 B)			
9040053	AI-100	1 Input, 2 Outputs, UHF-VHF/Interband, G=24/11 dB (230 Vac)	24
9040062	AI-108	Indoor ampl. 1+1 Output/Compatible with: Digibox, Sky+ & Dual View receiver	24
TV-SAT AMPLIFIERS, SHIELDED WITH "F"CONNECTOR			
9040071	AI-210	1 Input (TV+ IF), 2 Outputs, TV(G=16dB)-SAT(G=30dB)	24
9040075	AI-414	1 Input (TV+ IF), 4 Outputs, DC Path, TV(G=12dB)-SAT(G=25dB)	24
CATV AMPLIFIERS, SHIELDED WITH "F"CONNECTOR			
Output level 105 dB μ V (DIN 45004 B)			
9040051	AI-221	1 Input, 2 Outputs, UHF-VHF/Interband, Return Path 0-30 MHz (230 Vac)	24
9040052	AI-223	1 Input, 2 Outputs, UHF-VHF/Interband, Return Path 0-65 MHz (230 Vac)	24
Output level 110 dB μ V (DIN 45004 B)			
9040130	AI-231	CATV indoor amplifier, 2 outputs, 47-862 MHz, RP 5-30 MHz (230 Vac) - Available only outside of EU	24
9040123	AI-233	CATV indoor amplifier, 2 outputs, 86-862 MHz, RP 5-65 MHz (230 Vac)	24
Output level 113/99 dB μ V (DIN 45004 B)			
9040056	AI-131	1 Input, 2 Outputs, UHF-VHF/Interband, Return Path 5-30 MHz (230 Vac)	24
9040057	AI-133	1 Input, 2 Outputs, UHF-VHF/Interband, Return Path 5-65 MHz (230 Vac)	24

everest

THE RANGE OF MULTIBAND AMPLIFIERS INSPIRED BY THE TOP OF THE WORLD



WIDE and COMPLETE range. All Everest multiband amplifiers have **117 dBμV output level.**



RELIABLE AND VERSATILE. Redundant power supply thanks to the integrated power supply and the option to connect an external one. This feature reduces dramatically the risk of failure. Moreover, switchable gain makes it adaptable to any kind of installation.



ROBUST. There are no plastic elements on the Everest range by offering a 100% metallic chassis and prepared for harsh environment.



EASY and QUICK installation and commissioning. No need to use a programmer or any special tools.



COMPACT DESIGN. This range is the smallest we have ever created; it will fit into any gap in the installation with its 156x139x36 millimeters.



Made in Spain and **CE** certificate

lte 904 MULTIBAND AMPLIFIERS

LTE 800



CODE	9040137				9040131				9040135				
MODEL		CA-641			CA-642				CA-643				
Number of inputs/outputs/test		3 / 1 / 1			4 / 1 / 1				5 / 1 / 1				
Frequency range	Band	UHF	BIII/DAB	BI/FM	UHF1	UHF2	BIII/DAB	BI/FM	UHF1	UHF2	UHF3	BIII/DAB	BI/FM
	MHz	470-790	160-260	47-108	470-790		160-260	47-108	470-790		160-260	47-108	
LTE Filter		LTE800			LTE800					LTE800			
Gain	dB± TOL	45/30 ± 1,0 Switchable	32 ± 1,0	32 ± 2,0	45/30 ± 1,0 Switchable		32 ± 1,0	32 ± 2,0	40/25 ± 1,0 Switchable		45/30 ± 1,0 Switchable	32 ± 1,0	32 ± 2,0
Gain adjustment	dB	16	20		16		20		16		20		
Noise figure	dB	6 ±1,0	7 ±1,0	8 ±1,0	9 ±1,0		7 ±1,0	8 ±1,0	12 ±1,0		7 ±1,0	8 ±1,0	

LTE 700



CODE	9040132					9040138				
MODEL		CA-662				CA-664				
Number of inputs/outputs/test		4 / 1 / 1				4 / 1 / 1				
Frequency range	Band	UHF1	UHF2	BIII/DAB	BI/FM	UHF1	UHF2	BIII/DAB	BI/FM	
	MHz	470-694		160-260	47-108	470-790	470-694	160-260	47-108	
LTE Filter		LTE700				LTE800	LTE700			
Gain	dB± TOL	45/30 ± 1,0 Switchable		32 ± 1,0	32 ± 2,0	45/30 ± 1,0 Switchable		32 ± 1,0	32 ± 2,0	
Gain adjustment	dB	16		20		16		20		
Noise figure	dB	9 ±1,0		7 ±1,0	8 ±1,0	9 ±1,0		7 ±1,0	8 ±1,0	

Full Band

CODE	9040136				9040133				9040134				
MODEL		CA-611			CA-612				CA-613				
Number of inputs/outputs/test		3 / 1 / 1			4 / 1 / 1				5 / 1 / 1				
Frequency range	Band	UHF	BIII/DAB	BI/FM	UHF1	UHF2	BIII/DAB	BI/FM	UHF1	UHF2	UHF3	BIII/DAB	BI/FM
	MHz	470-862	160-260	47-108	470-862		160-260	47-108	470-862			160-260	47-108
Gain	dB±TOL	45/30 ±1,0 Switchable	32 ±1,0	32 ±2,0	45/30 ±1,0 Switchable		32 ±1,0	32 ±2,0	40/25 ±1,0 Switchable		45/30 ±1,0 Switchable	32 ±1,0	32 ±2,0
Gain adjustment	dB	16	20		16		20		16			20	
Noise figure	dB	6 ±1,0	7 ±1,0	8 ±1,0	9 ±1,0		7 ±1,0	8 ±1,0	12 ±1,0			7 ±1,0	8 ±1,0

Terrestrial LTE800 + SAT



CODE	9040139					9040140				
MODEL		CA-651				CA-652				
Number of inputs/outputs/test		4 / 1 / 1				5 / 1 / 1				
Frequency range	Band	SAT	UHF	BIII/DAB	BI/FM	SAT	UHF1	UHF2	BIII/DAB	BI/FM
	MHz	950 - 2150	470-790	160-260	47-108	950-2150	470-790		160-260	47-108
LTE Filter			LTE800				LTE800			
Gain	dB± TOL	43 ± 1,0	45/30 ± 1,0 Switchable	30 ± 1,0		43 ± 1,0	45/30 ± 1,0 Switchable		30 ± 1,0	
Gain adjustment	dB	20	16	20		20	16		20	
Noise figure	dB	7 ±1,0	8 ±1,0	7 ±1,0		7 ±1,0	8 ±1,0		7 ±1,0	

Range common characteristics:

- Terrestrial output level dBµV: 117 DIN 45004B
- Operating temperature (°C): -10 ... +65
- Protection index: IP 20

For more information, check rules sheets available on our website www.alcad.net

Terrestrial LTE700 + SAT **lte**
COMPATIBLE

CODE	9040143					9040144				
MODEL	CA-671					CA-672				
Number of inputs/outputs/test	4 / 1 / 1					5 / 1 / 1				
Frequency range	Band	SAT	UHF	BIII/DAB	BI/FM	SAT	UHF1	UHF2	BIII/DAB	BI/FM
	MHz	950 - 2150	470-694	160-260	47-108	950-2150	470-694		160-260	47-108
LTE Filter	LTE700					LTE700				
Gain	dB $\pm$ TOL	43 $\pm$ 1,0	45/30 $\pm$ 1,0 Switchable	30 $\pm$ 1,0		43 $\pm$ 1,0	45/30 $\pm$ 1,0 Switchable	30 $\pm$ 1,0		
Gain adjustment	dB	20	16	20		20	16	20		
Noise figure	dB	7 $\pm$ 1,0	8 $\pm$ 1,0	7 $\pm$ 1,0		7 $\pm$ 1,0	8 $\pm$ 1,0	7 $\pm$ 1,0		

CODE	TYPE	DESCRIPTION	PACK
LTE700 COMPATIBLE			
Output level 110 dB μ V			
9040141	*CA-360	3 inputs, 2 outputs, UHF-UHF-VHF/FM, LTE700 rejection, 2x110 dB μ V	24
Output level 117 dB μ V			
9040120	CA-662	Multiband amplifier 4 inputs, 1 output, UHF-UHF-BIII-BI/FM, LTE700 rejection	9
9040138	CA-664	Multiband amplifier 4 inputs, 1 output, UHF-UHF-BIII-BI/FM, LTE800 & LTE700 rejection	9
LTE800 COMPATIBLE			
Output level 110 dB μ V			
9040116	*CA-340	3 inputs, 2 outputs, UHF-UHF-VHF/FM, 2x110 dB μ V	24
9040117	*CA-342	4 inputs, 2 outputs UHF-UHF-BIII-BI/FM, 2x110 dB μ V	24
Output level 114 dB μ V			
9040120	CA-440	3 inputs, UHF-UHF-BIII/DAB, LTE rejection, 114 dB μ V	24
9040121	CA-441	4 inputs, UHF-BV-BIV-BIII/DAB, LTE rejection, output level 114 dB μ V	24
Output level 115 dB μ V			
9040118	CA-541	5 inputs, 2 outputs, UHF-UHF-BIII-BI-FM, G=45 dB, LTE réjection (230 Vac)	8
Output level 117 dB μ V			
9040137	CA-641	Multiband amplifier 3 inputs, 1 output, UHF-BIII-BI/FM, LTE800 rejection	9
9040131	CA-642	Multiband amplifier 4 inputs, 1 output, UHF-UHF-BIII-BI/FM, LTE800 rejection	9
9040135	CA-643	Multiband amplifier 5 inputs, 1 output, UHF-UHF-UHF-BIII-BI/FM, LTE800 rejection	9

*with preamplifier feeding

SMALL SPLITBAND AMPLIFIERS WITH "F" CONNECTOROutput level 102 dB μ V (DIN 45004 B), Splitband, "F" connector

9040060	*CA-210	1 Input, 2 Outputs, UHF/VHF/Interband, G=25 dB, 24Vdc (230 Vac)	24
9040061	*CA-215	1 Input, 2 Outputs, UHF/VHF/Interband, G=25dB, 12 Vdc (230 Vac)	24
With IF Satellite band. Output level 107 dB μ V			
9040073	*CA-220	1Input TV+1 Input IF, 4 Outputs, G=22 dB 24 Vdc (230 Vac)	24

*with preamplifier feeding

MULTIBAND AMPLIFIERSOutput level 2x110 dB μ V (DIN 45004 B)

9040014	*CA-310	3 Inputs UHF-UHF-BIII/FM/BI, 2 Outputs (230 Vac)	24
9040011	*CA-311	2 Inputs UHF-VHF/FM, 2 Outputs (230 Vac)	24
9040039	*CA-312	4 Inputs UHF-UHF-BIII-BI/FM, 2 Outputs (230 Vac)	24
9040058	*CA-313	5 inputs UHF-BV-BIV-BIII-BI, 1 output (230 Vac)	24

Until end
of stockcoming
soon

9040121



9040131



9040011



904 MULTIBAND AMPLIFIERS



9040102



9040139

CODE	TYPE	DESCRIPTION	PACK
Output level 115 dBμV (DIN 45004 B) - (230/240 Vac)			
9040033	*CF-511	5 Inputs, 1 Output, UHF-UHF-BIII-BI-FM, G=45 dB, 24 Vdc	8
9040034	*CF-512	5 Inputs, 1 Output, UHF-UHF-UHF-BIII-BI/FM, G=45 dB, 24 Vdc	8
Output level 117 dBμV			
9040136	CA-611	Multiband amplifier 3 inputs, 1 output, UHF-BIII-BI/FM	9
9040133	CA-612	Multiband amplifier 4 inputs, 1 output, UHF-UHF-BIII-BI/FM	9
9040134	CA-613	Multiband amplifier 5 inputs, 1 output, UHF-UHF-UHF-BIII-BI/FM	9
Output level 122 dBμV (DIN 45004 B) - (230/240 Vac)			
9040103	*CA-710	terrestrial TV, 5 Inputs, 1 Output, UHF-UHF-UHF-BIII/DAB-BI/FM	8
* With preamplifier feeding			
MULTIBAND AMPLIFIERS WITH IF SAT			
Output level 122 dBμV (DIN 45004 B)			
9040077	*CA-720	6 Inputs, 1 Output, IF-UHF-UHF-UHF-BIII/DAB-BI/FM, output level terrestrial TV 122 dBμV, satellite 120 dBμV	8
Output level 118 dBμV (DIN 45004 B)			
9040102	*CA-620	6 Inputs, IF-UHF-UHF-UHF-BIII/DAB-BI/FM, 2 outputs TV/SAT TV, output level terrestrial TV 118 dBμV, satellite 120 dBμV. SPANISH MARKET ONLY.	8
LTE 700, Output level 117 dBμV (DIN 45004 B)			
NEW	9040143	*CA-671 Multiband amplifier terrestrial&satellite TV, 4 Inputs, 1 Output, IF-UHF-BIII-BI/FM, LTE700 rejection	9
NEW	9040144	*CA-672 Multiband amplifier terrestrial&satellite TV, 5 Inputs, 1 Output, IF-UHF-UHF-BIII-BI/FM, LTE700 rejection	9
LTE 800, Output level 117 dBμV (DIN 45004 B)			
NEW	9040139	*CA-651 Multiband amplifier terrestrial&satellite TV, 4 Inputs, 1 Output, IF-UHF-BIII-BI/FM, LTE800 rejection	9
NEW	9040140	*CA-652 Multiband amplifier terrestrial&satellite TV, 5 Inputs, 1 Output, IF-UHF-UHF-BIII-BI/FM, LTE800 rejection	9
* With preamplifier feeding & 14/18 Vdc, 0/22 KHz, LNB power			
IF SAT AMPLIFIERS			
Output level 120 dBμV (EN 50083-3)			
9040003	CA-730	1 Input, 1 Output, 13/17 V; 0/22 kHz G=42 dB (230/240 Vac)	8
ACCESSORIES			
9040029	FL-100	GSM Rejection Filter	6

904 DISTRIBUTION AMPLIFIERS

DISTRIBUTION AMPLIFIERS			
Output level 113 dBμV (DIN 45004 B) (230/240 Vac)			
9040031	CF-111	1 In, 1 Out, UHF/VHF/Interband, G=38 dB, R.Path 5-30 Mhz	8
9040046	CF-115	1 In, 1 Out, UHF/VHF/Interband, G=38 dB, R.Path 5-65 MHz	8
9040032	CF-112	1 In, 1 Out, IF-UHF/VHF/Interband, G=40 dB, R.Path 5-30 MHz	8
9040047	CF-116	1 In, 1 Out, IF-UHF/VHF/Interband, G=40 dB, R.Path 5-65 MHz	8
Output level 120 dBμV (DIN 45004 B) (230/240 Vac)			
9040016	DA-701	1 In, 1 Out, UHF/VHF/Interband, G=34 dB, R.Path 5-30 MHz, G=4dB	8
9040017	DA-711	1 In, 1 Out, IF-UHF/VHF/Interband, G=34 dB, R.Path 5-30 MHz, G=4dB	8
9040019	DA-703	1 In, 1 Out, UHF/VHF/Interband, G=34 dB, R.Path 5-65 MHz, G=6 dB	8
9040025	DA-713	1 In, 1 Out, IF-UHF/VHF/Interband, G=34 dB, R.Path 5-65 MHz, G=6 dB	8

9040017

DISTRIBUTION AMPLIFIERS **904**

CODE	TYPE	DESCRIPTION	PACK
9040119	DA-706	UHF/VHF/RF, output level 120 dBμV G=34 dB, return path 5-65 MHz G=34 dB (230 Vac)	8
9040065	DA-520	Double, 2 Input, 2 Output, TV/SAT-TV/SAT, output level 118 dBμV. SPANISH MARKET ONLY.	8
9040015	DA-720	1 In, 1 Out, Split Band UHF G=36 dB/VHF G=35 dB	8
9040036	CF-711	1 In, 1 Out, UHF/VHF/Interband, G=47 dB, R.Path 5-30 MHz, G=10 dB	8
9040042	CF-715	1 In, 1 Out, UHF/VHF/Interband, G=47 dB, R.Path 5-65 MHz, G=10 dB	8
9040037	CF-712	1 In, 1 Out, IF-UHF/VHF/Interband, G=47 dB, R.Path 5-30 MHz, G=10 dB	8
9040043	CF-716	1 In, 1 Out, IF-UHF/VHF/Interband, G=47 dB, R.Path 5-65 MHz, G=10 dB	8
9110000	DAM-504	Distribution amplifier 120 dBμV, 54 to 862 MHz, return path 5 to 42 MHz, UK plug	1

Until end
of stock

9110000

MODULAR SYSTEMS FOR TERRESTRIAL TV **905** **lte**
COMPATIBLE

CHANNEL PROCESSORS

9050174	PC-526	DTT & analogue channel processor, wideband UHF/VHF/interbands	1
9050176	PC-527	DTT & analogue channel processor 6 MHz, wideband UHF/VHF/interbands	1
9120244	PA-721	Broadband amplifier 120 dBμV	13
9120245	FA-410	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins connector (230/240 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120130	SP-226	Frame for power supply unit and 11 modules (amplifier included), distance 38 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



9050174

TV STANDARD

B/G	CCIR	Indicate VHF channel C/XX, UHF channel C/XX, Interband C/SXX
B/G	Italy	Indicate VHF channel C/X, UHF channel C/XX, Interband C/SXX
D/K	OIRT	Indicate VHF channel C/RXX, UHF channel C/LXX, Interband C/RSXX
I/I	South Africa, Ireland	Indicate VHF channel C/IXX, UHF channel C/XX, Interband C/ISXX
I/I	UK	Indicate VHF channel C/UXX, UHF channel C/XX, Interband C/ISXX
L/L	France	Indicate VHF channel C/LXX, UHF channel C/LXX, Interband C/LSXX

Other standards available sending the channel frequency table.



9120144

905-ZG Series FIXED CHANNEL AMPLIFIERS

Output level 123 dBμV (DIN 45004 K)

9050035	ZG-211	Amplifier BII (FM), G = 53 dB (output level 2x109 dBμV)	1
9050106	ZG-212	Radio amplifier DAB, G = 50 dB (Output level 2x109 dBμV)	1
9050022	*ZG-431	Single channel amplifier UHF, G = 52 dB, for adjacent channels	1
9050092	*ZP-431	Single channel amplifier UHF, G = 40 dB, for adjacent channels	1
9050074	*ZG-611	Single channel amplifier BI, BIII, Interband, G = 52 dB	1
9050023	*ZG-412	Two channel amplifier UHF, G=53 dB	1
9050024	*ZG-413	Three channel amplifier UHF, G=53 dB	1
9050026	*ZG-414	Four channel amplifier UHF, G=53 dB	1
9050083	AS-125	24Vdc 1.7 A Power supply (230/240 Vac) with 10 pins connector	28
9050100	SP-126	Frame for power supply unit and 12 modules	1
9050124	CP-126	Open-backed cabinet for frame, for power supply unit and 12 modules	1
9050102	PZ-010	Fast "F" connector plug bridge	10

* Indicate selected channel



9050083



905-ZG SERIES



905 MODULAR SYSTEMS FOR TERRESTRIAL TV



905 - ZA

CODE	TYPE	DESCRIPTION	PACK
905-ZA Series PROGRAMMABLE AMPLIFIERS			
9050126	ZA-411	Programmable double filter for DTT or analogue channels in UHF. Modular, single channel or multi channel	1
9050156	ZA-902	905-ZA system with 2 modules ZA-411 and PA-320 amplifier	1
9050140	ZA-903	905-ZA system with 3 modules ZA-411	1
9050141	ZA-904	905-ZA system with 4 modules ZA-411	1
9050142	ZA-905	905-ZA system with 5 modules ZA-411	1
9050175	ZA-913	905-ZA system with 3 modules ZA-411, PA-320 amplifier and ZF-712 SAT amplifier	1
9050157	ZF-912	905-ZA system with 2 modules ZA-411	1
9050152	ZF-913	905-ZA system with 3 modules ZA-411	1
9050153	ZF-914	905-ZA system with 4 modules ZA-411	1
9050154	ZF-915	905-ZA system with 5 modules ZA-411	1
9050129	PA-320	Broadband amplifier 110 dBμV, with FM & DAB	1
9050128	AS-326	Power supply 5+24Vdc 45 VA with 10 pins connector	28
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9050100	SP-126	Frame for power supply unit and 12 modules	1
9050124	CP-126	Open-backed cabinet for frame, for power supply unit and 12 modules	1
9050102	PZ-010	Fast "F" connector plug bridge	10

INDIVIDUAL DTT RECEIVERS

9050177	RT-103	DTT set-top box HD, high definition MPEG-4 AVC, PVR USB hard disk output with firmware update from USB	1
9450060	CAS-220	HDMI-HDMI CABLE	1
9050163	EU-011	Scart cable	10

Until end
of stock

IF AMPLIFIERS

9050116	ZF-712	IF Amplifier, 0/13/18 Vdc, 0/22 KHz, G=45 dB. Output level 120 dBμV	1
9050099	SP-122	Frame for power supply unit and 4 modules	1

MODULAR SYSTEMS FOR TERRESTRIAL TV

905

CODE	TYPE	DESCRIPTION	PACK
ACCESSORIES			
9050004	RM-075	Shielded load 75 Ohm	1
9080019	RC-110	75 Ohm Load - Isolated "F" connector	10
9120105	LS-207	Flat power cable of 20 lines, to connect the power supply and 11 modules	50
9120173	LS-217	Flat power cable of 20 lines, to connect a FA-312 P.Supply+11 modules	50
9050104	LT-107	10 Lines power flat cable, for PSU and 18 modules	50
9050099	SP-122	Frame for power supply unit and 4 modules	1
9050143	SP-123	Frame for power supply unit and 7 modules	1
9050125	SP-128	Frame for power supply unit and 18 modules	1
9050145	SP-136	Cabinet frame for power supply unit and 12 modules	1
9050178	CP-900	CAM lock for ALCAD cabinets, series 905-CP and 912-CP	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
9120136	SP-725	Frame for 19" rack 6U, for power supply unit and 9 modules (amplifier included), distance 38 mm	1
9120227	IP-201	Programming interface USB & Bluetooth	1



9050125



9120227

ACCESSORIES FOR COMPATIBILITY BETWEEN 905-Series

9050119	PZ-020	"F" To male IEC Ø 9,52mm plug bridge	10
9050121	LT-112	Power cable from Faston connector to 10 pin female connector	1
9050120	LT-102	Power cable from Faston connector to 10 pin male connector	1

TAP-OFFS AND SPLITTERS

906

NON EQUALISED SHIELDED TAP-OFFS, F CONNECTOR, SAT TV IF

FP SERIES

9060031	FP-211	2 outputs at 11 dB	6
9060032	FP-217	2 outputs at 17 dB	6
9060043	FP-223	2 outputs at 23 dB	6
9060044	FP-226	2 outputs at 26 dB	6
9060046	FP-414	4 outputs at 14 dB	6
9060047	FP-420	4 outputs at 20 dB	6
9060048	FP-426	4 outputs at 26 dB	6



9060046

DE SERIES

9060063	DE-201	2 outputs at 12,5 dB	12
9060064	DE-203	2 outputs at 16,5 dB	12
9060065	DE-205	2 outputs at 20,5 dB	12
9060066	DE-207	2 outputs at 27,5 dB	12
9060068	DE-401	4 outputs at 16,5 dB	12
9060069	DE-403	4 outputs at 20,5 dB	12
9060070	DE-405	4 outputs at 24,5 dB	12
9060071	DE-407	4 outputs at 27,5 dB	12
9060073	DE-603	6 outputs at 20,5 dB	12
9060074	DE-605	6 outputs at 24,5 dB	12
9060075	DE-607	6 outputs at 27,5 dB	12



9060073

906 TAP-OFFS AND SPLITTERS



9060038

CODE	TYPE	DESCRIPTION	PACK
EQUALISED SHIELDED TAP-OFFS, F CONNECTOR, SAT TV IF			
9060053	FD-210	2 Outputs, 13 dB (860 MHz)/ 8,5 dB (2150 MHz)	6
9060033	FD-213	2 Outputs, 17,5 dB (860 MHz) / 12 dB (2150 MHz)	6
9060034	FD-219	2 Outputs, 24 dB (860 MHz) / 17,5 dB (2150 MHz)	6
9060035	FD-225	2 Outputs, 30 dB (860 MHz) / 26 dB (2150 MHz)	6
9060054	FD-410	4 Outputs, 15 dB (860 MHz) / 10 dB (2150 MHz)	6
9060038	FD-413	4 Outputs, 18,5 dB (860 MHz) / 13,5 dB (2150 MHz)	6
9060039	FD-419	4 Outputs, 24 dB (860 MHz) / 18,5 dB (2150 MHz)	6
9060040	FD-425	4 Outputs, 30 dB (860 MHz) / 25,5 dB (2150 MHz)	6



9060037

Until end
of stock

Until end
of stock

SHIELDED SPLITTERS, F CONNECTOR, SAT TV IF			
FI SERIES			
9060036	FI-243	2 Outputs, 4 dB (47 MHz)/ 5,5 dB (2150 MHz)	6
9060037	FI-473	4 Outputs, 9 dB (47 MHz) / 10,5 dB (2150 MHz)	6
9060055	FI-244	2 Outputs, 5,5 dB (2150 MHz), DC path in all outputs	6
9060078	FI-374	3 Outputs, 9 dB (862 MHz), 5 to 2400 MHz, DC path	6
9060056	FI-474	4 Outputs, 11 dB (2150 MHz), DC path in all outputs	6
9060057	FI-254	2 Outputs, 4 dB (2150 MHz), DC path in all outputs	6
9060079	FI-594	5 Outputs, 10,5 dB (862 MHz), 15 dB (2150 MHz), 5 to 2400 MHz, DC path	6
9060058	FI-484	4 Outputs, 10dB (2150 MHz), DC path in all outputs	6
DI SERIES			
9060076	DI-202	2 Outputs, 6 dB (2150 MHz) with DC path	12
9060096	DI-302	IF splitter 3 outputs with DC path	12
9060077	DI-402	4 Outputs, 10,5 dB (2150 MHz) with DC path	12
9060061	DI-602	IF splitter 6 outputs with DC Path, 15 dB (2150 MHz)	12
9060062	DI-802	IF splitter 8 output with DC Path, 16,5 dB (2150 MHz)	12

MAST SHIELDED SPLITTER, F CONNECTOR, PLASTIC CASE FOR OUTDOOR USE			
9020041	MM-200	2 Outputs splitter with DC Path	24



9060026

ACCESSORIES			
9060026	SD-003	Outdoor plastic cover for FD, FI	4
9060060	SD-100	Mast Outdoor plastic Cover FD-FP-FI	1
9120039	CM-004	Male F connector to screw onto RG-6 coaxial cable, diam. 6.5-6.8 mm	100
9080023	MC-302	F male connector to screw on coaxial diam.6.9 - 7.2 mm	100
9080014	MC-104	F male connector to crimp on coaxial RG-6, diam.7.0 mm	50
9080015	MC-204	F male compression connector for coaxial RG-11, diam.10.0 - 10,4 mm	50
9120011	RS-275	75 Ohm Load (for "F" connector)	10

SHIELDED OUTLET UNITS **907**

CODE	TYPE	DESCRIPTION	PACK
MATV - TERRESTRIAL TV Without front plate (5-862 MHz)			
Terminal			
9070037	BM-100	Terminal, Attenuation 3 dB	24
9070038	BM-101	Terminal, Attenuation 5,5 dB (bridged)	24
9070039	BM-111	Terminal, Attenuation 0,5 dB	24
Serial mounting - Inductive, directional			
9070040	BM-200	Attenuation 8 dB (13-862 MHz)	24
9070041	BM-500	Attenuation 10,5 dB (5-862 MHz)	24
9070042	BM-700	Attenuation 15,5 dB (5-862 MHz)	24



9070040

SMATV - SATELLITE TV (5-2400 MHz)			
Terminal, LNB control, without front plate, 2 outputs			
9070062	BS-100	Terminal, filtered, 1,2 dB, "F" connector	24
9070068	BS-110	Terminal, Attenuation 5 dB	24
9070073	BS-112	Terminal, Attenuation 1,2 dB	24
9070105	BS-113	Terminal, Attenuation 1,2 dB, without clamps	90
Serial mounting, LNB control, without front plate, 2 outputs			
9070070	BS-210	Attenuation 12 dB	24
9070071	BS-510	Attenuation 15 dB	24
Cascade mounting, no LNB control, without front plate, 2 outputs			
9070004	BS-220	IF Outlet 11,5 dB cascade	24
9070005	BS-420	IF Outlet 17,5 dB cascade	24
9070006	BS-620	IF Outlet 22,5 dB cascade	24
9070008	BS-820	IF Outlet 35 dB cascade	24
Terminal, LNB control, with front plate, accessory surface mounting, 3 outputs			
9070087	BS-101	BS-100 + EM-202	18
9070086	BS-102	IF Terminal outlet, 2dB with 3 connectors, DC path in SAT outlet	24



9070105



9070070



9070087

CATV - CABLE TV (5-1000 MHz) Filtered - Without front plate			
Terminal			
9070043	BC-100	Terminal, Attenuation 0,9 dB	24
9070046	BC-110	Terminal, Attenuation 5,5 dB	24
Serial mounting			
9070044	BC-200	Attenuation 10 dB	24
9070045	BC-500	Attenuation 15 dB	24



9070046

907 SHIELDED OUTLET UNITS



9070075

Until end
of stock

CODE	TYPE	DESCRIPTION	PACK
FRONT PLATES			
9070020	EM-200	Front plate TV / FM (for BM & BC)	24
9070021	EM-201	Front plate TV-R/TV-R (for all BS, except BS-112/100)	24
9070022	EM-202	Front plate TV-R/SAT (for BS-112/100)	24
9070024	EM-210	Customised front plate TV/FM (for BM & BC)	72
9070025	EM-211	Customised front plate TV-R/TV-R(for all BS,except BS-112)	72
9070027	EM-212	Customised front plate TV-R/SAT(for BS-112/100)	72
ACCESSORIES			
9070101	PT-210	Final net point with splitter 2 out.5,5dB (2150 MHz), 5 to 2300 MHz, shielded,F	12
9070102	PT-310	Final net point with splitter 3 out.10dB (2150 MHz), 5 to 2300 MHz, shielded,F	12
9070103	PT-410	Final net point with splitter 4 out.10,5dB(2150 MHz),5 to 2300 MHz,shielded,F	12
9070084	PT-600	Final net point, F, 6 outputs at 14,5 dB	12
9070085	PT-800	Final net point, F, 8 outputs at 16 dB	12
9060050	RF-075	75 Ohm Load resistor	50
9070075	SB-003	Accessory surface mounting	24

908 CONNECTORS AND ACCESSORIES



9080012

Until end
of stock

"F" CONNECTORS			
9120039	CM-004	Male "F" Connector to screw onto RG-6 coaxial cable, diam. 6.5-6.8 mm	100
9080014	MC-104	F male connector to crimp on coaxial RG-6, diam.7.0 mm	50
9080034	MC-102	Fast male F connector to screw onto RG-6 coaxial cable, ø6.5-7.0 mm	100
9080033	MC-202	Male F connector to screw onto RG-11 coaxial cable, ø 10.0 - 10.4 mm	25
9080015	MC-204	F male compression connector for coaxial RG-11, diam.10.0 - 10,4 mm	50
9080023	MC-302	F male connector to screw on coaxial diam.6.9 - 7.2 mm	100
9080030	MC-304	Male F connector to compress onto coaxial ø 6.8 - 7.2 mm	100

IEC CONNECTORS (9,52 MM.)

Until end
of stock

9080029	HC-000	IEC 9.52mm female connector bent and shielded for coax. ø6,5-7,2mm	10
9080025	MC-000	IEC 9.52 mm male connector for coaxial cable Ø 6.5 - 7.2 mm	10
9080007	HC-001	Female connector 9,52 mm, tinned	10
9080000	MC-095	Male connector 9,52 mm shielded	50
9080001	HC-095	Female connector 9,52 mm shielded	50
9080010	RM-095	Straight male connector 9,52 mm	25
9080011	RH-095	Straight female connector 9,52 mm	25



9080019

Until end
of stock

SPLICERS			
9080012	EP-111	F-F splicer	10
9080026	EP-311	Quick F male to male splicer	100
9080013	EP-212	Female-Female IEC adaptor 9,52 mm.	10
9080020	EP-313	Male-Male IEC adaptor 9,52 mm.	10
9080027	EP-414	Male IEC Ø 9.52 mm to F female adaptor	10
9080004	EM-101	Coaxial cable splicer	25

75 OHM LOADS

Until end
of stock

9120011	RS-275	75 Ohm Load (For "F" connector)	10
9080019	RC-110	75 Ohm Load - Isolated "F" connector	10
9060050	RF-075	75 Ohm Load resistor	50

CONNECTORS AND ACCESSORIES **908**

CODE	TYPE	DESCRIPTION	PACK
TOOLS			
9080017	HE-000	Stripping tool for RG-6 coaxial, diam.6.5 - 7.1 mm	1
9080028	HE-002	Cylinder stripping tool for RG-6 coaxial cable, diam.6.5 - 7.1 mm	1
9080021	HE-001	Stripping tool for RG-11 coaxial, diam.10.1 mm	1
9080016	HE-200	Crimping tool for MC-104 connector	1
9080022	HE-201	Tool to compress MC-204 connectors	1
9080018	HE-100	Mounting tool for F male connectors	1
9120027	LF-001	F Connector wrench tool	3



9080016

OTHER ACCESSORIES **909** **lte**
COMPATIBLE

PREAMPLIFIERS, "F" CONNECTOR			
9090029	PR-310	Preamplifier 5-2400 MHz, 10 dB with DC Path (13/18 Vac)	1
9090028	PR-200	14 dB UHF Preamplifier remote feed (24 Vdc)	1
9090044	PR-201	UHF preamplifier 14 dB for 905-ZG & 905-ZP equipment, faston connector for power (24Vdc)	1



9090029

ATTENUATORS, "F" CONNECTOR			
9090033	AV-315	Variable attenuator 18 dB (5-2400 MHz) with DC path	1
9090031	AV-305	Variable attenuator 18 dB (5-2400 MHz)	1

FILTERS "F" CONNECTOR			
9090047	RB-529	Cavities filter, LTE C59 rejection, 30 dB, bandpass 0-782 MHz	8
9090046	RB-900	LTE700 C48 & GSM rejection filter 60 dB, bandpass 0-694 MHz	320
9090102	RB-519	LTE C58, TETRA & GSM rejection filter 60 dB, bandpass 0-774 MHz	8
9090049	RB-709	LTE C59, TETRA & GSM rejection filter 60 dB, bandpass 0-782 MHz	6
9090050	RB-719	LTE C59, TETRA & GSM rejection filter 60 dB, bandpass 0-782 MHz	8
9090042	RB-619	LTE, TETRA & GSM rejection filter 60 dB, bandpass 5-790 MHz (opposite side connectors)	8
9090022	RB-208	FM rejection filter of 40 dB	1
9090026	FR-423	Rejection filter of 18 dB adj. To UHF channel (adj.by end user)	1



9090046

Until end
of stockUntil end
of stock

SPLITTERS AND MULTIPLEXERS			
9090016	DV-102	Splitter 2 Outputs (Video)	1
9090017	MD-104	Indct. Mix/split.(2 Outputs)	1

INJECTORS AND EXTRACTORS, IEC CONNECTOR			
9090043	IM-123	Current injector 24 Vdc, for 905-ZG & 905-ZP equipment with faston connector for power	1



9090043

ACCESSORIES			
9090038	BL-300	Current blocker (5-2400 MHz)	1

910 COAXIAL CABLES

CODE	TYPE	DESCRIPTION	PACK
RG11 Cu/Al/Al			
9100057	CL-201	RG-11 coaxial cable, ø 10.1 mm, 75 Ohm, 11 dB/100 m at 800 MHz, 20 dB/100 m at 2150 MHz, Cu/Al/Al, black PE by 250m spools	250m
RG6 Cu/Cu/Cu			
9100063	CE-150	RG-6 coaxial cable, 6.8 mm, 75 Ohm, 17 dB/100 m at 800 MHz, 30 dB/100 m at 2150 MHz, Cu/Cu/Cu, white PVC by 100 m coils	100m
9100064	CE-140	RG-6 coaxial cable, 6.8 mm, 75 Ohm, 16 dB/100 m at 800 MHz, 27 dB/100 m at 2150 MHz, Cu/Cu/Cu, black PE by 100 m coils	100m
RG6 Cu/Al/Al			
9100021	CE-753	RG-6 coaxial cable, ø 7 mm, 75 Ohm , 16 dB/100 m at 800 MHz, 30 dB/100 m at 2150 MHz, Cu/Al/Al , white PVC by 100 m coils	100m
9100061	CE-756	RG-6 coaxial cable, ø 7 mm, 75 Ohm , 16 dB/100 m at 800 MHz, 30 dB/100 m at 2150 MHz, Cu/Al/Al , white PVC by 100 m carton	100m
9100056	CE-743	RG-6 coaxial cable, ø 7 mm, 75 Ohm , 16 dB/100 m at 800 MHz, 30 dB/100 m at 2150 MHz, Cu/Al/Al , black PE by 100 m coils	100m
RG6 CCS/Al/Al			
9100060	CE-860	Triple shielded RG-6 coaxial cable, ø 7 mm, 75 Ohm , 18 dB/100 m at 800 MHz, 33 dB/100 m at 2150 MHz, CCS/Al/Al/Al , white PVC by 100 m coils	100m
9100058	CE-754	RG-6 coaxial cable, ø 6,7 mm, 75 Ohm, 17 dB/100 m at 800 MHz, 32 dB/100 m at 2150 MHz, CCS/Al/Al , white PVC by 100 m coils	100m
RG6 Cu/Al/Al			
9100013	CE-170	RG-6 Coaxial cable, ø 6.8 mm, 75 Ohm, 18 dB/100 m at 800 MHz, 31 dB/100 m at 2150 MHz, Cu/Al/Al, white PVC by 100 m coils	100m
9100050	GC-007	Cable wall support with nail	100



9100064



9100056



9100050

Until end
of stock

MODULATORS **912**

CODE	TYPE	DESCRIPTION	PACK
DIGITAL MODULATORS, HDMI OR AV INPUTS			
9120246	DMH-401	Digital modulator DVB-T/T2 HD MPEG4 AVC with HDMI input	13
9120224	DMH-101	Digital modulator DVB-T HD MPEG4 AVC with HDMI input	13
9120225	DMH-301	Digital modulator DVB-C HD MPEG4 AVC with HDMI input	13
9120194	DM-102	Digital modulator DVB-T with 2 AV inputs	13
9120210	DM-302	Digital modulator DVB-C with 2 AV inputs	13
9120244	PA-721	Broadband amplifier 120 dB μ V	13
9120168	FA-312	Power supply for 8 TT-201 or 7 TT-211 + amp. (90-260 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120233	SP-244	Frame for power supply unit and 9 modules (amplifier included), distance 47 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



VSB MODULATORS STEREO/MONO, SAW FILTER			
9120238	MS-571	AV Modulator standard BG stereo, wideband programmable	13
9120239	MS-569	AV Modulator multistandard BG/I/DK, wideband programmable	13
9120240	MS-565	AV Modulator standard M/N, wideband programmable	13
9120245	FA-410	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins connector (230/240 Vac)	7
9120249	FA-411	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins connector (110 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120130	SP-226	Frame for power supply unit and 11 modules (amplifier included), distance 38 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



ACCESSORIES			
9120237	SP-743	Frame for 19" rack 6U, for power supply unit and 7 modules (amplifier included), distance 47 mm	1
9120136	SP-725	Frame for 19" rack 6U, for power supply unit and 9 modules (amplifier included), distance 38 mm	1
9120102	LA-100	Voltage adaptor from 912-FA power supply to 24 Vdc	1
9120079	CD-011	Audio-video cable for MS (RCA to miniDIN)	1
9120094	CD-113	Audio-video cable for MS (RCA to miniDIN) Stereo	1
9120098	CD-003	A/V cable for US & MS (miniDIN to/from euroconnector) Stereo	1
9120105	LS-207	Flat power cable of 20 lines, to connect the power supply and 11 modules	50
9150049	CST-200	Audio-video cable for DM (RCA to jack)	1
9450060	CAS-220	HDMI cable for DMH (HDMI to HDMI)	1

Until end
of stock

Until end
of stock



951 MODULATORS



9510065

CODE	TYPE	DESCRIPTION	PACK
STANDALONE MULTISTANDARD MODULATORS			
9510064	MD-310	Modulator BIII, standard BG/DK/I	24
9510065	MD-410	Modulator UHF, standard BG/DK/I/L	24
9510067	MD-531	Modulator wideband BG standard stereo	24

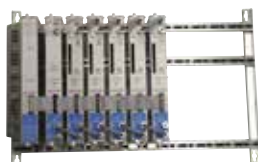


9510072

Until end
of stock

STANDALONE DIGITAL MODULATORS			
9510070	DMH-141	Digital modulator DVB-T HD MPEG4 AVC with HDMI input	12
9510072	DMH-142	Digital modulator DVB-T HD MPEG4 with HDMI input	1

912 SATELLITE RECEPTION AND TRANSMODULATION



912-TT SERIES



9120213

DVB-S/S2 TO DVB-T TRANSMODULATORS, SMATV INSTALLATIONS			
9120145	TT-201	DVB-S/S2 to DVB-T transmodulator, wideband output VHF-UHF-S	13
9120147	TT-211	DVB-S/S2 to DVB-T transmodulator, with Common Interface, wideband output VHF-UHF-S	13
9120189	TT-311	DVB-S/S2 to DVB-T transmodulator, with DiSEqC and Common Interface, wideband output VHF-UHF-S	13
9120213	TT-312	DVB-S/S2 to DVB-T transmodulator, with DiSEqC, Common Interface and double modulator, wideband output VHF-UHF-S	13
9120200	TT-401	DVB-S/S2 to DVB-T double transmodulator, with DiSEqC, wideband output VHF-UHF-S	13
9120201	TT-411	DVB-S/S2 to DVB-T double transmodulator, with DiSEqC and Common Interface, wideband output VHF-UHF-S	13
9120244	PA-721	Broadband amplifier 120 dBμV	13
9120168	FA-312	Power supply for 8 TT-201 or 7 TT-211 + amp. (90-260 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120233	SP-244	Frame for power supply unit and 9 modules (amplifier included), distance 47 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1

SATELLITE RECEPTION (SMATV) 912

CODE	TYPE	DESCRIPTION	PACK
DVB-S TO PAL TRANSMODULATORS, SMATV INSTALLATIONS			
9120129	TP-559	QPSK/PAL multistandard transmodulator, stereo sound for all standards except PAL I (mono)	13
9120244	PA-721	Broadband amplifier 120 dBμV	13
9120245	FA-410	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins connector (230/240 Vac)	7
9120168	FA-312	Power supply for 9 TP-559 or 9 TP-569 + amp. (90-260 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120130	SP-226	Frame for power supply unit and 11 modules (amplifier included), distance 38 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1

Until end
of stock



9120245

DVB-S/S2 TO DVB-C TRANSMODULATORS, SMATV INSTALLATIONS			
9120150	TQ-532	DVB-S/S2 to DVB-C transmodulator with TS processing, output in BI-BIII-UHF and interbands	13
9120191	TQ-533	DVB-S/S2 to DVB-C transmodulator with TS processing, Common Interface, output in: BI-BIII-UHF and interbands	13
9120217	TQ-542	DVB-S/S2 to DVB-C double transmodulator, with DiSEqC, wideband output VHF-UHF-S	13
9120218	TQ-543	DVB-S/S2 to DVB-C double transmodulator, with DiSEqC and Common Interface, wideband output VHF-UHF-S	13
9120242	TQ-552	DVB-S/S2 to DVB-C QAM transmodulator, with DiSEqC, double modulator, wideband output VHF-UHF-S	13
9120244	PA-721	Broadband amplifier 120 dBμV	13
9120168	FA-312	Power supply for 8 TQ-532 + amp. (90-260 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120233	SP-244	Frame for power supply unit and 9 modules (amplifier included), distance 47 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



912-TQ SERIES

IF-IF PROCESSORS, SMATV INSTALLATIONS			
9120154	UC-233	Double IF processor DVB-S2 configurable 1 or 2 inputs, loop-through or final	13
9050116	ZF-712	IF Amplifier, G=45 dB. Output level 120 dBμV	1
9120245	FA-410	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins connector (230/240 Vac)	7
9120144	PS-011	Installer's equipment programmer, with TFT display	8
9120130	SP-226	Frame for power supply unit and 11 modules (amplifier included), distance 38 mm	1
9120131	CP-226	Open-backed cabinet for SP-244 or SP-226 frame	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
9120124	LA-102	Voltage adaptor from 912-FA power supply to AS-125 (flat cable 10 lines)	1

Until end
of stock



912-UC SERIES

912 SATELLITE RECEPTION (SMATV)



9120126



9120027



9120156



9120030

CODE	TYPE	DESCRIPTION	PACK
ACCESSORIES			
9120212	AMU-600	Active multiplexer, 6 inputs, 47-862 MHz	13
9120126	CB-400	Combiner-amplifier with 10 inputs, G=29dB, Output level 118dBμV	9
Until end of stock	9120090	MF-201 Headend Multiplexer C/2-S/12 & C/S14-S36	6
Until end of stock	9120092	MF-205 Headend Multiplexer C/2-S36 & C/21-69	6
9120027	LF-001	F Connector wrench tool	3
Until end of stock	9120102	LA-100 Voltage adaptor from 912-FA power supply to 24 Vdc	1
9120124	LA-102	Voltage adaptor from 912-FA power supply to AS-125 (flat cable 10 lines)	1
Until end of stock	9120219	LA-104 Voltage adaptor from 912-FA power supply (flat cable 20 lines) to 5 Vdc jack for PS-011	1
9120011	RS-275	75 Ohm Load (For F connector)	10
9120232	PU-102	Multiplexing SAT bridge, modules distance 47 mm, length 49.5 mm	12
9120064	PU-101	Multiplexing SAT bridge, modules distance 38 mm, length 41.5 mm	12
9120227	IP-201	Programming interface USB & Bluetooth	1
9120132	CP-426	Open-backed cabinet for two SP-244 or SP-226 frames	1
9050178	CP-900	CAM lock for ALCAD cabinets, series 905-CP and 912-CP	1
9120234	SP-243	Frame for power supply unit and 6 modules (amplifier included), distance 47 mm	1
9120237	SP-743	Frame for 19" rack 6U, for power supply unit and 7 modules (amplifier included), distance 47 mm	1
9120136	SP-725	Frame for 19" rack 6U, for power supply unit and 9 modules (amplifier included), distance 38 mm	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
9120105	LS-207	Flat power cable of 20 lines, to connect the power supply and 11 modules	50
9120173	LS-217	Flat power cable of 20 lines, to connect a FA-312 P.Supply+11 modules	50

DISHES

9120156	PF-220	Satellite dish 65 cm, electro zinc plated steel with polyester coating	15
9120160	PF-420	Satellite dish 80 cm, electro zinc plated steel with polyester coating	12
9120122	PF-431	Fibre Offset dish, 85 cm Ø	1
9120216	PF-620	Satellite dish 100 cm, electro zinc plated steel with polyester coating	1

KITS (DISH + LNB)

9120157	PF-223	Satellite dish 65 cm with universal single LNB 0.3 dB, electro zinc plated steel with polyester coating	15
9120158	PF-224	Satellite dish 65 cm with universal single LNB 0.3 dB, 5 units per pack, electro zinc plated steel with polyester coating	15
9120030	PF-230	Fibre Offset dish, 60 cm Ø, Universal 1 Out. LNB included	1
9120161	PF-423	Satellite dish 80 cm with universal single LNB 0.3 dB, electro zinc plated steel with polyester coating	12
9120162	PF-424	Satellite dish 80 cm with universal single LNB 0.3 dB, 5 units per pack, electro zinc plated steel with polyester coating	12

SATELLITE RECEPTION (SMATV)

912

CODE	TYPE	DESCRIPTION	PACK
LNB			
9120198	UE-403	Universal quattro LNB, noise figure 0,2 dB min, Ku band	60
9120206	UE-004	Universal single LNB, noise figure 0.2 dB min, Ku band, Parabole	100
9120204	UE-202	Twin LNB 2 outputs (4 pol), noise figure 0.2 dB min, Ku band	1
9120205	UE-300	Quad LNB 4 outputs (4 pol), noise figure 0.2 dB min KU band	1
DISH ACCESSORIES			
9980018	BE-201	Embedded Dish Base (4x150 mm) for PI-101	1
9980009	PI-101	Dish support (4x150 mm)	1
9980023	SA-010	Support 2 LNB for dishes PF-230/431	1
9980115	BZ-401	Wall support for 65 cm satellite dish, 295 mm length, zinc-coated steel	1
9980063	BZ-400	Wall support for dish	1



9120198



9120205

New Range of Professional Headends

himalaya

Versatility

All models are compatible with DVB-S/S2 and DVB-T/T2 inputs, and their outputs can be configured to DVB-T or DVB-C

Convenience

Their new web-based configuration interface allows for an easy configuration from a variety of electronic devices: laptops, tablets, cellphones...

Avoid unnecessary field trips

himalaya headends can be configured with redundant power supplies and remote access, so that maintenance field trips are kept to a minimum



CODE	TYPE	DESCRIPTION	
HIMALAYA TRANSMODULATORS			
9120251	TM-101	DVB-S/S2/T/T2 to DVB-T/C transmodulator	1
9120252	TM-111	DVB-S/S2/T/T2 to DVB-T/C transmodulator with Common Interface	1
9120254	TM-102	2xDVB-S/S2/T/T2 to DVB-T/C transmodulator	coming soon
9120253	TM-112	2xDVB-S/S2/T/T2 to DVB-T/C transmodulator with Common Interface	coming soon
9120256	PA-740	Broadband amplifier 120 dB μ V for 912-TM headends	13
9120255	FA-512	Power supply 912-TM headends, 96W	6



913 MULTISWITCHES



9130018



9130036



9130057



9130050

CODE	TYPE	DESCRIPTION	PACK
FINAL MULTISWITCHES			
4 polarities + TV			
9130013	MU-110	4 polarities and TV with 4 outputs.DiSEqC 2.0, return path	1
9130014	MU-310	4 polarities and TV with 8 outputs.DiSEqC 2.0, return path	1
9130015	MU-610	4 polarities and TV with 16 outputs.DiSEqC 2.0, return path	1
8 polarities + TV			
9130016	MU-130	8 polarities and TV with 4 outputs. DiSEqC 2.0, return path	1
9130017	MU-330	8 polarities and TV with 8 outputs. DiSEqC 2.0, return path	1
9130018	MU-630	8 polarities and TV with 16 outputs.DiSEqC 2.0, return path	1
POWER SUPPLY			
9130054	FU-612	Power Supply unit, 18 Vdc/2000 mA (8 LNB of 250 mA), for multiswitch	1
CASCADABLE MULTISWITCHES			
4 polarities + TV			
9130033	MU-320	4 polarities and TV with 8 outputs. DiSEqC 2.0, return path	1
9130034	MU-620	4 polarities and TV with 16 outputs. DiSEqC 2.0, return path	1
9130020	MU-321	Active, 4 polarities and TV with 8 outputs. DiSEqC 2.0, return path	1
9130021	MU-621	Active, 4 polarities and TV with 16 outputs. DiSEqC 2.0, return path	1
9130168	AU-621	Head-end amplifier for 4 polarities multiswitches, G=25, 118,5 dBμV	1
9130041	AU-620	Head-end amplifier for 4 polarities multiswitches, G=45, 118,5 dBμV	1
8 polarities + TV			
9130036	MU-340	8 polarities and TV with 8 outputs. DiSEqC 2.0, return path	1
9130037	MU-640	8 polarities and TV with 16 outputs. DiSEqC 2.0, return path	1
9130023	MU-341	Active, 8 polarities and TV with 8 outputs. DiSEqC 2.0, return path	1
9130024	MU-641	Active, 8 polarities and TV with 16 outputs. DiSEqC 2.0, return path	1
9130169	AU-641	Head-end amplifier for 8 polarities multiswitches, G=25, 118,5 dBμV	1
9130042	AU-640	Head-end amplifier for 8 polarities multiswitches, G=45, 118,5 dBμV	1
POWER SUPPLY			
9130054	FU-612	Power Supply unit, 18 Vdc/2000 mA (8 LNB of 250 mA), for multiswitch	1
9130057	FU-513	Power Supply unit, 7.5 Vdc/3800 mA, for cascadable Multiswitches	1
ACCESSORIES			
9130050	CN-611	DiSEqC switch for 16 polarities (requires 2 multiswitches with 8 polarities, one switch per output)	36
9080019	RC-110	75 Ohm Load - Isolated "F" connector	10
9090029	PR-310	Preamplifier 5-2400 MHz, 10 dB with DC Path (13/18 Vac)	1
9090033	AV-315	Variable attenuator 18 dB (5-2400 MHz) with DC path	1
9130062	DU-240	Splitter 9x2 5.5 dB (2150 MHz), with 2 outputs for multiswitches with 8 polarities and TV, DC path	1
9130059	DI-213	Splitter, 2 outputs, 5.5 dB (2150 MHz) with P.C., compatible with 913 series, 5 to 2400 MHz, shielded, with F-type connector	6
9130060	DI-413	Splitter, 4 outputs, 11 dB (2150 MHz) with P.C., compatible with 913 series, 5 to 2400 MHz, shielded, with F-type connector	6
9130167	DU-900	Frame to mount 9 tap-offs 906-FP with 2 outputs, for multiswitch installations of 8 polarities and TV	7

MULTISWITCHES **913**

CODE	TYPE	DESCRIPTION	PACK
FINAL MULTISWITCHES, ACTIVE TERRESTRIAL			
4 polarities + TV UK PLUG			
9130144	MB-102	4 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	10
9130145	MB-103	4 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	5
9130146	MB-104	4 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	5
9130147	MB-105	4 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	5
9130148	MB-106	4 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	5
9130160	MB-108	4 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	5
4 polarities + TV EU PLUG			
9130188	MB-112	5x8 Final multiswitch, 4 polarities and TV with 8 outputs, active terrestrial band, included EU power supply	10
9130189	MB-113	5x12 Final multiswitch, 4 polarities and TV with 12 outputs, active terrestrial band, included EU power supply	5
9130190	MB-114	5x16 Final multiswitch, 4 polarities and TV with 16 outputs, active terrestrial band, included EU power supply	5
9130191	MB-115	5x20 Final multiswitch, 4 polarities and TV with 20 outputs, active terrestrial band, included EU power supply	5
9130192	MB-116	5x24 Final multiswitch, 4 polarities and TV with 24 outputs, active terrestrial band, included EU power supply	5
9130193	MB-118	5x32 Final multiswitch, 4 polarities and TV with 32 outputs, active terrestrial band, included EU power supply	5
8 polarities + TV EU PLUG			
9130069	MB-202	8 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130070	MB-203	8 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130071	MB-204	8 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130072	MB-205	8 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130073	MB-206	8 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130170	MB-208	8 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130176	MB-200	8 polarities and TV with 48 outputs. DiSEqC 2.0, active terrestrial band, includes power supply (not for sale in Europe)	5
9130177	MB-201	8 polarities and TV with 52 outputs. DiSEqC 2.0, active terrestrial band, includes power supply (not for sale in Europe)	5
12 polarities + TV EU PLUG			
9130079	MB-302	12 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130080	MB-303	12 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130081	MB-304	12 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5

913-MB/ML
SERIES

913 MULTISWITCHES

CODE	TYPE	DESCRIPTION	PACK
9130082	MB-305	12 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130083	MB-306	12 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130172	MB-308	12 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	10
9130184	MB-301	12 polarities and TV with 50 outputs. DiSEqC 2.0, active terrestrial band, includes power supply (not for sale in Europe)	10
16 polarities + TV EU PLUG			
9130089	MB-402	16 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130090	MB-403	16 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130091	MB-404	16 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130092	MB-405	16 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130093	MB-406	16 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130174	MB-408	17x32, 16 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band, includes power supply	5
9130186	MB-401	16 polarities and TV with 50 outputs. DiSEqC 2.0, active terrestrial band, includes power supply (not for sale in Europe)	5

CASCADABLE MULTISWITCHES, ACTIVE TERRESTRIAL

4 polarities + TV

9130149	ML-102	4 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band, UK plug	5
9130150	ML-103	4 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band, UK plug	5
9130151	ML-104	4 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band, UK plug	5
9130152	ML-105	4 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band, UK plug	5
9130153	ML-106	4 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band, UK plug	5
9130159	ML-108	4 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band, UK plug	5

8 polarities + TV

9130094	ML-202	8 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band	5
9130095	ML-203	8 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band	5
9130096	ML-204	8 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band	5
9130097	ML-205	8 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band	5
9130098	ML-206	8 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band	5
9130171	ML-208	8 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band	5
9130178	ML-200	8 polarities and TV with 48 outputs. DiSEqC 2.0, active terrestrial band (not for sale in Europe)	5
9130179	ML-201	8 polarities and TV with 52 outputs. DiSEqC 2.0, active terrestrial band (not for sale in Europe)	5

12 polarities + TV

9130114	ML-302	12 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band	5
9130115	ML-303	12 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band	5
9130116	ML-304	12 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band	5
9130117	ML-305	12 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band	5
9130118	ML-306	12 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band	5
9130173	ML-308	12 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band	10
9130185	ML-301	12 polarities and TV with 50 outputs. DiSEqC 2.0, active terrestrial band (not for sale in Europe)	5



913-MB/ML
SERIES

MULTISWITCHES **913**

CODE	TYPE	DESCRIPTION	PACK
16 polarities + TV			
9130134	ML-402	16 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band	5
9130135	ML-403	16 polarities and TV with 12 outputs. DiSEqC 2.0, active terrestrial band	5
9130136	ML-404	16 polarities and TV with 16 outputs. DiSEqC 2.0, active terrestrial band	5
9130137	ML-405	16 polarities and TV with 20 outputs. DiSEqC 2.0, active terrestrial band	5
9130138	ML-406	16 polarities and TV with 24 outputs. DiSEqC 2.0, active terrestrial band	5
9130175	ML-408	16 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band	5
9130187	ML-401	16 polarities and TV with 50 outputs. DiSEqC 2.0, active terrestrial band (not for sale in Europe)	5

POWER SUPPLIES AND AMPLIFIERS

9130161	FU-704	Power supply unit, 13 Vdc/4000 mA for multiswitch 913-MB with 12 & 16 polarities	1
9130163	FU-304	Power supply unit, 13 Vdc/1500 mA for multiswitch 913-MB with 4 & 8 polarities	1
D913001	AU-0630	Amplifier for 9-polarity multiswitches, G=18, 113 dB μ V	1
D913004	AU-0680	Amplifier for 16-polarity multiswitches & terrestrial TV, G=30, 115 dB μ V	0

913-MB/ML
SERIES

915 IPTV STREAMERS



9150059



915-IPTV SERIES

Until end
of stock

CODE	TYPE	DESCRIPTION	PACK
IPTV STREAMERS			
9150060	SS-202	Streamer DVB-S/S2 - IP DiSEqC	1
9150054	SS-211	Streamer DVB-S-2 IP CI DiSEqC	1
9150059	SS-212	Streamer DVB-S/S2 IP CIMax DiSEqC	1
9150002	ST-100	Streamer DVB-T to IP, Free to Air	1
9150003	ST-110	Streamer DVB-T to IP with Common Interface, Conditional Access	1
9150056	SH-201	Streamer 1 x HDMI - IP	1
9150045	SV-200	Streamer A/V double to IP	1
9120245	FA-410	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins conector (230/240 Vac)	7
9120136	SP-725	Frame for 19" rack 6U, for power supply unit and 9 modules (amplifier included), distance 38 mm	1
9120132	CP-426	Open-backed cabinet for two SP-244 or SP-226 frames	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
9150049	CST-200	JACK-RCA cable	1

916 FIBRE OPTIC DISTRIBUTION



9160000



9120245

FO LINK

9160000	OT-402	Optical transmitter TV-SAT (40-2150 MHz) 4 mW 1310 nm for monomode fibre optic	13
9160001	OR-417	Optical receiver TV-SAT (40-2150 MHz) 1100 to 1600 nm for monomode fibre optic	8
9120245	FA-410	Power supply 3,3+5,2+12+24 Vdc 50 W with 20 pins conector (230/240 Vac)	7

FO LINK FOR MULTISWITCH DISTRIBUTION

9160031	OLN-603	Optical LNB Ku band 7 dBm 1310 nm for monomode fibre optic (minimum order: 30 units)	1
9160032	OR-511	Optical receiver TV-SAT Quatro (40-2150 MHz) 1100 to 1650 nm for monomode fibre optic (minimum order: 30 units)	1
9160037	PSU-010	Power supply PG6500-162, 20 Vdc 1.2 A F connector	1

FO SPLITTERS

9160002	OS-002	Optical splitter 2 outputs, 1310 or 1550 nm for monomode fibre optic	1
9160003	OS-003	Optical splitter 3 outputs, 1310 or 1550 nm for monomode fibre optic	1
9160004	OS-004	Optical splitter 4 outputs, 1310 or 1550 nm for monomode fibre optic	1
9160005	OS-008	Optical splitter 8 outputs, 1310 or 1550 nm for monomode fibre optic	1

FO SPLITTERS FOR MULTISWITCH DISTRIBUTION

9160033	OS-122	Optical splitter 2 outputs, 1310 or 1550 nm for monomode fibre optic with FC/PC connectors	1
9160034	OS-123	Optical splitter 3 outputs, 1310 or 1550 nm for monomode fibre optic with FC/PC connectors	1
9160035	OS-124	Optical splitter 4 outputs, 1310 or 1550 nm for monomode fibre optic with FC/PC connectors	1
9160036	OS-128	Optical splitter 8 outputs, 1310 or 1550 nm for monomode fibre optic with FC/PC connectors	1

FIBRE OPTIC DISTRIBUTION

916

CODE	TYPE	DESCRIPTION	PACK
RACK			
9160014	OPD-003	Optical patch panel, 24 ports simplex SC/APC singlemode for Rack 19", 1U	1
9160041	OPD-103	Optical patch panel, 24 ports for Rack 19", 1U	1
9300057	RWS-003	Wall support of galvanized steel for rack 19", 3U, black	1



9160014

DISTRIBUTION			
9160013	OWB-002	Wallbox, 9 ports, SC/APC singlemode simplex (max 12 ports), 310x230 mm	1
9160015	OWB-003	Optical distribution box for up to 8 x F.O., IP65, 230x205x60 mm	1
9160016	OWB-004	Optical distribution box for up to 24 x F.O., 430x380x55 mm	1
9160017	OWB-005	Optical distribution box for up to 72 x F.O., 230x205x60 mm	1
9160029	OWB-007	Optical distribution box for up to 8 x F.O., IP 55, 250x197x85 mm	1
9160030	OWB-008	Optical distribution box for up to 12 splices and up to 8 x F.O., IP65, 210x175x50 mm	1
9160018	OTB-000	Fiber optic termination box, 2 ports simplex SC/APC singlemode, 90x85x25 mm	1

Until end
of stock



9300057

ACCESSORIES			
9180003	OEQ-100	Fiber optic fusion splicing kit, including fusion splicer, cleaver and stripper	1
9180004	OEQ-200	Fiber optic splicing kit	1
9180010	OEQ-002	Optical power meter Kit including selective optical power meter for FFTH, Triple Laser source for 1310/1490/1550 nm and Visual Fault Locator	1
9160006	OAT-106	Optical attenuator, 6 dB SC/APC 1240 a 1600 nm	1
9160042	OAT-105	Optical attenuator Male and Female FC/PC connectors, 5 dB fixed	1
9160028	OCN-000	Mechanical SC/APC connector for F.O., 900 µm	1
9160007	OSP-001	Mechanical splice for FO, universal 250 to 900 µm	1
9160008	OAD-101	Optical adaptor SC/APC simplex	1
9160009	OPT-102	Pigtail, singlemode SC/APC 2 m	1
9160010	OPC-101	Patchcord, singlemode SC/APC 1 m	1
9160011	OPC-103	Patchcord, singlemode SC/APC 3 m	1
9160043	OPC-203	Patchcord, singlemode FC/PC, G657A, LSZH, ø 3 mm, 3 m	1
9160044	OPC-204	Patchcord, singlemode FC/PC, G657A, LSZH, ø 3 mm, 15 m	1
9160045	OPC-205	Patchcord, singlemode FC/PC, G657A, LSZH, ø 3 mm, 25 m	1
9160046	OPC-206	Patchcord, singlemode FC/PC, G657A, LSZH, ø 3 mm, 45 m	1
9180009	OEQ-101	F.O. consumables kit including 1 box with 100 lint-free wipes, 5 cleaning sticks of 2,5 mm, alcohol dispenser bottle, 500 ml bottle of isopropyl alcohol, 10 fusion splice protection sleeves (50 mm), 2 pigtails SC/APC (2 m)	1
9160038	OFS-000	Fibre optic fusion splice thermoretractable protector sleeve, 40 x 3 mm	24
9160039	OFS-001	Fibre optic fusion splice thermoretractable protector sleeve, 50 x 3 mm	24
9160040	OFS-002	Fibre optic fusion splice thermoretractable protector sleeve, 60 x 3 mm	24



9160013



9160017



9160007



Until end
of stock

9180004

916 FIBRE OPTIC DISTRIBUTION



9160021

CODE	TYPE	DESCRIPTION	PACK
CABLE			
9160021	FOC-201	Outdoor distribution cable, 4 x F.O.	1
9160022	FOC-105	Outdoor distribution cable, 24 x F.O.	1
9160024	FOC-107	Outdoor distribution cable, 48 x F.O.	1
9160023	FOC-005	Indoor distribution cable, 24 x F.O.	1
9160025	FOC-007	Indoor distribution cable, 48 x F.O.	1
9160019	FOC-100	Outdoor drop cable, 2 x F.O.	1
9160020	FOC-000	Indoor drop cable, 2 x. F.O., G.657 A2, LSZH, 500m	1

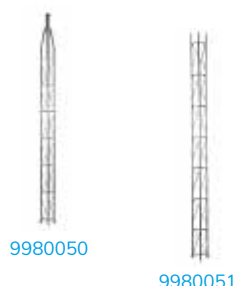
918 FIELD METERS



9180011

FIELD METERS			
9180008	FSM-640	Field strength meter DVB-T/T2, DVB-S/S2, DVB-C MPEG-2/4 HD with 10" touchscreen	1
9180011	FSM-620	Field strength meter DVB-T/T2, DVB-S/S2, DVB-C/C2 MPEG-2/4 HD with 7" touchscreen	1

998 ANTENNA ACCESSORIES



9980050

9980051

TOWERS			
9980050	TS-025	Tower top section 2.500 mm.	1
9980051	TI-025	Tower lower section 2.500 mm.	1
9980052	TS-015	Tower-top section 1.500 mm.	1
9980053	BF-003	Fixed base	4
9980055	BE-001	Reinforced embedded base plate	4

MASTS			
9980002	MT-210	Mast 1500x35x1,5mm	6
9980003	MT-410	Mast 2500x35x1,5mm	6
9980102	MT-411	Mast 2500x35x2mm, galvanized	6

TELESCOPIC MASTS			
9980004	MT-325	Mast 3000x25x2,0/1,5mm for telescopic set	6
9980005	MT-332	Mast 3000x30x1,5mm for telescopic set	6
9980006	MT-338	Mast 3000x35x1,5mm for telescopic set	6
9980007	MT-345	Mast 3000x40x1,5mm for telescopic set	6
9980008	MT-352	Mast 3000x45x1,5mm for telescopic set	6

ARMS			
9980065	RS-500	Horizontal reinforced aerial support	15
9980066	RD-100	Double horizontal reinforced support	8



9980002



9980004

ANTENNA ACCESSORIES 998

CODE	TYPE	DESCRIPTION	PACK
CLAMPS			
9980016	GM-026	Wall clamp 285mm	50
9980056	GM-040	Galvanised wall clamp 300 mm	100
9980057	GM-050	Galvanised wall clamp 480 mm	10
9980067	GM-200	Clamp with lag screws 200mm	12
9980068	GM-350	Clamp with lag screws 300 mm	1
9980100	GM-515	Clamp with lag screws 500 mm	1
9980069	SE-090	Flange plate for lag screws	50



9980067

ACCESSORIES			
9980020	TA-001	Tilttable base for roof-top	6
9980013	BB-001	Bar clamp	100
9980012	BB-002	Double reinforced bar clamp	75
9980014	TE-014	1/4" Tightener	1
9980059	AC-013	2 mm. Cable clamps	25
9980058	AC-014	1/4" Cable clamps	25
9980062	CT-001	2 mm. Steel cable	100
9980114	CT-003	3 mm steel cable	100
9980011	JV-335	Ring and clamp	100
9980099	CH-030	Chimney clamp 35 mm Ø	1
9980101	CH-031	Chimney clamp 30 mm Ø	1



9980020



9980014

DATA NETWORKS 930

RACK			
9300056	TDP-102	Patch panel 24 ports RJ45 category 6, for mounting in rack 19", 1U	1
9300069	TDP-001	Patch panel for 16 ports RJ45 Keystone type, connectors not included, for mounting in rack 19", 1U	1
9300057	RWS-003	Wall support of galvanized steel for rack 19", 3U, black	1



9300058

DISTRIBUTION ELEMENTS			
9300058	TTB-101	Termination box with 1 female connector RJ45 Category 6	1
9300063	TOU-101	Flush-mounted outlet with 2 RJ45 category 6 connectors, white	1
9300064	TOU-102	Flush-mounted outlet with 2 RJ45 category 6 connectors, white	1



9300064

ACCESSORIES			
9300059	TPC-101	Patch cord 1 meter long with connectors RJ45 Category 6	1
9300060	TPC-103	Patch cord 3 meters long with connectors RJ45 Category 6	1
9300061	TCN-100	RJ45 category 6 male connector	1
9300062	TCN-110	RJ45 category 6 female connector, keystone jack	1



9180000

CABLE			
9300065	TCA-100	Solid UTP category 6 cable, LSZH, by 305 m coils	1

TOOLS			
9180000	TME-000	RJ45 port tester	1
9180001	TME-100	Category 6 cable network certifier	1



9180001

930 TELEPHONY ACCESSORIES



9300020



9300030

9300066



9300050



9300001



9300010

CODE	TYPE	DESCRIPTION	PACK
FRAMES			
9300020	SO-000	Back mount frame for 10 x 10 pairs	50
9300021	SO-511	Back mount frame for 1 x 5 pairs	120
9300024	SO-011	Back mount frame for 1 x 10 pairs	20
ACCESSORIES			
9300030	CJ-000	Test cord	1
9300031	CJ-010	Disconnection plug	1
9300040	HT-000	Insertion tool	1
9300066	HT-100	Crimping tool for connectors RJ10/11/12/45/DEC HQ	1
9300067	HT-001	Impact punch down and cuts tool for connectors type 110/88	1
CABLES			
9300050	TC-100	1 pair cable	250
9300051	TC-200	2 pairs cable	250
9300052	TC-400	25 pairs cable	100
9300053	TC-500	50 pairs cable	100
9300054	TC-600	75 pairs cable	100
9300055	TC-700	100 pairs cable	100
DISCONNECTION MODULES			
9300000	RE-000	Disconnection module for 10 pairs	10
9300001	RE-500	Disconnection module for 5 pairs	15
9300002	RE-510	Disconnection module for 5 pairs with frame	20
DISTRIBUTION ELEMENTS			
9300068	TPS-006	Twisted-pair passive splitter with 6 outputs RJ45 and 500 mm input RJ45 patch cord, 120x40x25 mm	1
9300072	TPS-008	Twisted-pair passive splitter with 8 outputs RJ45 and RJ45 input patch cord	150
LABEL HOLDERS			
9300010	TR-000	Module label holder for 10 pairs	50
9300011	TR-500	Module label holder for 5 pairs	50
9300012	TR-501	Module label holder for 5 pairs with frame	50

930 COAX NETWORKS



9129915

RACK			
9129915	SK-110	Patch panel for up to 24 coaxial Female F type ports (F-F splicers not included) for 19" rack mounting, 1U	1

951 HOME ELECTRONICS

INDOOR ANTENNAS			
9510011	IA-001	Indoor Antenna	10

Until end of stock

Specifications subject to modifications without prior notice.

NOTES

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General Terms of Trade

The acceptance of orders by ALCAD ELECTRONICS S.L. implies the acceptance of the following general terms of trade. These terms take priority over the conditions of purchase that may figure on client order forms or other documents.

1. PRICES

Our unit prices are Ex Works Irún. The price that will be applied is the current price in the country of sale at the date of receipt of order. Orders accepted by our agents are only formalised following our confirmation.

2. TRANSPORT

Transportation costs will be paid for by the client. The risks of transport and problems that could occur during transportation will be at the expense of the client, even when the goods are shipped free delivered. The client will adopt the necessary measures with the transport company the moment the goods are received and will have to confirm by registered letter the event of any loss or damage caused to the goods, and send a copy of the same letter to the shipping agent.

3. DELIVERY TIMES, DELIVERIES, RETURNS AND COMPLAINTS

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Any complaint regarding the delivered material must be made within the 8 days that follow the reception of the goods.

4. GUARANTEE

The material is guaranteed for two years following the date of the invoice for the ALCAD products to the end client and will be validated by the presentation of the purchase document of the product in question.

The guarantee is strictly limited to the replacement of the materials supplied by ALCAD, and does not cover any damage or breakdowns due to misuse, incorrect installation, or prohibited manipulation or handling of the materials, carried out by the client before returning the goods to ALCAD.

This guarantee does not imply any liability on part of ALCAD for compensation or damages whatsoever.

5. TERMS AND CONDITIONS OF PAYMENT

Each of the agreed terms and conditions of payment will be negotiated with the client and confirmed in writing. Any delay in the agreed date of payment could be cause for an additional invoice to cover the costs of delay and damages.

6. RESERVE OF OWNERSHIP CLAUSE

ALCAD ELECTRONICS S.L. reserves the rights to full ownership of the goods until the purchaser has totally satisfied the full payment of the agreed price. The purchaser is obliged to make every effort to preserve and maintain the goods in perfect order and to cover the goods with a fully comprehensive insurance policy. Should the purchaser fail to satisfy any of their obligations, ALCAD ELECTRONICS S.L. may exercise its rights of ownership and withdraw the goods or demand the fulfilment of the obligation of payment.

7. COMPETENT JURISDICTION

For any question relating to the fulfilment or interpretation of the contract or its incidence, the parties, with the express renunciation of any other body or authority that may correspond to them, agree to submit any dispute to the competence of the courts and tribunals in the jurisdiction of our registered head office.

MULTIMEDIA

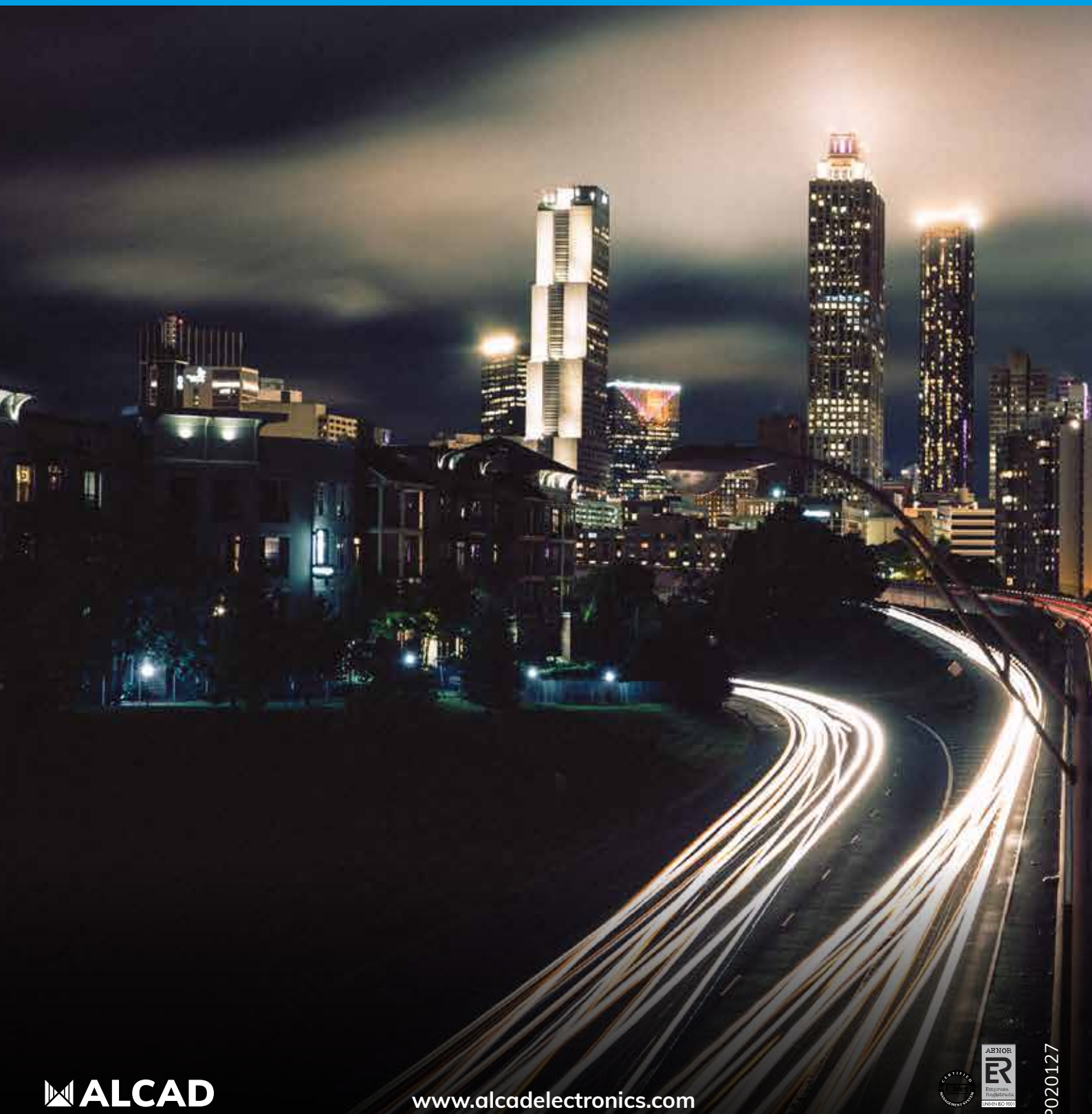
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IPTV

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