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ANTENNAS UHF-BIII-BI-FM

9000 **Lte**
COMPATIBLE

DIGITAL READY

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



9000188

LTE REJECTION				
NEW	9000188	NEO-088	UHF antenna NEO series compact, channels 21/60, LTE rejection filter, G = 18 dB, with simple adjustment mechanism	30
NEW	9000092	MX-048	UHF antenna MX series, channels 21/60, LTE rejection filter, G = 15 Db	36
NEW	9000104	BU-118	UHF antenna, channels 21/60, LTE rejection filter, G = 13 dB (12 unit/box)	12
NEW	9000103	BU-288	UHF antenna, channels 21/60, LTE rejection filter, G = 10 dB	80
NEW	9000101	BU-268	UHF antenna, channels 21/60, LTE rejection filter, G = 13 dB	80
NEW	9000102	GA-268	Box of 12 antennas BU-268, code 9000101, in separate plastic bags	10
NEW	9000093	BU-458	UHF antenna, channels 21/60, LTE rejection filter, G = 14 Db	56
NEW	9000100	GA-458	Box of 6 antennas BU-458, code 9000093, in separate plastic bags	12
NEW	9000091	AP-368	UHF array antenna, channels 21/60, LTE rejection filter, G = 14 dB	2/44
	9000197	AP-367	UHF array antenna, channels 21/52 Australia, G = 14 dB	2/44



9000044



9000042

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



9000043

MX SERIES				
	9000044	MX-045	UHF, C/21-69, 15 dB, aluminium, easy mount	36
	9000045	MX-075	UHF, C/21-69, 17 dB, aluminium, easy mount	27

UHF SERIES				
	9000077	BU-115	UHF, C/21-69, 10 dB (18 unit/box), aluminium, easy mount	18/216
	9000046	BU-119	UHF, C/21-69, 13 dB (12 unit/box), aluminium, easy mount	12/144
	9000039	BU-289	UHF, C/21-69, 9 dB, aluminium, easy mount	80
	9000042	BU-269	UHF, C/21-69, 13 dB, aluminium, easy mount	80
	9000065	GA-269	UHF, C/21-69, 13 dB (12 unit box of BU-269)	10/120
	9000043	BU-569	UHF, C/21-69, 16 dB, aluminium, easy mount	27
	9000059	GA-569	UHF, C/21-69, 16 dB (6 unit box of BU-569)	8/48
	9000036	BU-454	UHF, C/21-69, 14 dB, aluminium, easy mount	56
	9000058	GA-454	UHF, C/21-69, 14 dB (6 unit box of BU-454)	12/72



9000036

LOGARITHMIC				
	9000081	BU-260	UHF, C/5-12+21-69, 9 dB Logarithmic, F connector, aluminium, easy mount (minimum order: 1.000 units)	10/60

ARRAY				
	9000057	AP-369	UHF, C/21-69, Quadruple array, G=14 dB, aluminium, easy mount	2/50



9000057

BIII				
	9000063	BT-751	BIII, C/5-12, 7 elements, G=10 dB, aluminium, easy mount	90
	9000080	GA-751	Box of 20 antennas BT-751, code 9000063, in separate plastic bags	12
	9000070	BT-451	BIII, C/5-12, 4 elements, G=6 dB, aluminium, easy mount	90
	9000079	GA-451	Box of 24 antennas BT-451, code 9000070, in separate plastic bags	12

900 ANTENNAS FM - DAB



9000040

CODE	TYPE	DESCRIPTION	PACK.
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, aluminium, 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
9010015	BR-451	UHF Preamplifier for antenna NEO, low noise 1,4dB, G=14 dB, F connector (5 Vdc)	1

Lte COMPATIBLE 902 ANTENNA MULTIPLEXERS



902 SERIES

MAST FILTERS				
SHIELDED, WITH "F" CONNECTOR				
With plastic case for outdoor use				
9020048	FR-619	LTE, TETRA & GSM rejection filter 60 dB, bandpass 5-790 MHz, for mast	24	
NEW	9020050	FR519	LTE C58, TETRA & GSM rejection filter 60 dB, bandpass 0-774 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			
SHIELDED, WITH "F" CONNECTOR			
With plastic case for outdoor use			
9020040	MM-207	2 Inputs, UHF-VHF	24
9020018	MM-208	2 inputs, UHF-VHF/FM with DC path on both inputs	24
9020041	MM-200	2 Inputs TV/FM - TV/FM with DC Path to both inputs	24
9020042	MM-307	3 Inputs, UHF-UHF-VHF	24
9020017	MM-303	3 inputs, UHF-BIII-FM with DC path on UHF	24
9020043	MM-406	4 Inputs, UHF-BIII-BI-FM	24
9020044	MM-407	4 Inputs, UHF-UHF/BIII-BI/FM	24
With plastic case for outdoor use and IF-SAT			
9020045	*MM-214	2 Inputs, FM/TV-SAT	24
*with LNB feeding through the SAT input			
IF-SAT input, For indoor use			
9020015	*ME-214	2 Inputs, FM/TV-SAT	6
9020019	ME-213	Double,TVSAT,3 In.TV-SAT1-SAT2,2 Out.TV/SAT1-TV/SAT2,indoor use.SPANISH MARKET ONLY.	6
*with LNB feeding through the SAT input			



9020048



9020016



9020040

MAST BROADBAND AMPLIFIERS

903 Lte COMPATIBLE

CODE	TYPE	DESCRIPTION	PACK.
LTE 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 NEW
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 NEW
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=32 dB, 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	3 inputs, UHF-BIII/DAB-FM, UHF gain 32 dB, BIII/DAB-FM gain 20 dB, LTE rejection (12 Vdc)	24



903 SERIES

LTE AUSTRALIA COMPATIBLE			
9030185	AM-183	1 or 2 inputs, UHF+BIII/FM, gain 24 dB, LTE 694 MHz rejection (12 Vdc)	24 NEW
9030186	AM-187	1 or 2 inputs, UHF+BIII/FM, gain 32 dB, LTE 694 MHz rejection (12 Vdc)	24 NEW



9030185

BROADBAND, SHIELDED WITH "F" CONNECTOR

G _{typ} = 20 dB, Output level 108 dB _μ V (DIN 45004 B)			
9030144	AM-140	1 Input, UHF G=20 dB (24 Vdc)	24
9030150	AM-150	1 Input, UHF/DAB/FM G=20 dB (12 Vdc)	24
9030145	AM-242	2 Inputs, UHF-DAB/FM (24 Vdc)	24
9030151	AM-252	2 Inputs, UHF-DAB/FM (12 Vdc)	24
9030155	AM-342	3 Inputs, UHF-UHF-DAB/FM (24 Vdc)	24
9030152	AM-352	3 Inputs, UHF-UHF-DAB/FM (12 Vdc)	24
G _{typ} = 32 dB, Output level 108 dB _μ V (DIN 45004 B)			
9030141	AM-145	1 Input, UHF, G=32 dB (24 Vdc)	24
9030147	AM-155	1 Input, UHF, G=32 dB (12 Vdc)	24
9030142	AM-246	2 Inputs, UHF-DAB/FM (24 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-BIII/DAB-BI/FM, UHF gain 32 dB, BIII/DAB-BI/FM gain 20 dB, (24 Vdc)	24
9030183	AM-457	4 inputs, UHF-UHF-BIII/DAB-BI/FM, UHF gain 32 dB, BIII/DAB-BI/FM gain 20 dB (12 Vdc)	24
G _{typ} = 24 dB, Output level 108 dB _μ V (DIN 45004 B)			
9030122	AM-930	1 Input, UHF G = 24 dB, 4 outputs (12 Vdc)	24
G _{typ} = 36 dB, Output level 108 dB _μ V (DIN 45004 B)			
9030008	AM-105	1 Input, UHF/BIII/BI (24 Vdc)	24
9030016	AM-205	2 Inputs, UHF-BIII/BI (FM Rejected) 24 Vdc	24
9030015	AM-903	2 Inputs, UHF-VHF G=40 dB (24 Vdc)	24
9030024	AM-305	3 Inputs, UHF-UHF-BIII/BI, FM Rejected G=40 dB (24 Vdc)	24
9030031	AM-407	4 Inputs, UHF-UHF-BIII-BI/FM G=38 dB (24 Vdc)	24
9030099	AM-417	4 Inputs, UHF-UHF-BIII-BI/FM G=38 dB (12 Vdc)	24
9030076	AM-416	4 Inputs, UHF-UHF-BIII-BI/FM G=38 dB (12 Vdc)	24



9030150



9030016



9030031

Unit end of stock

Unit end of stock

Unit end of stock

903 MAST BROADBAND AMPLIFIERS



9030048

CODE	TYPE	DESCRIPTION	PACK.
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GROUP OF CHANNELS, SHIELDED WITH "F" CONNECTOR

G_{typ} = 36 dB, Output level 106 dB μ V (DIN 45004 B)

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. The AM-208 allows only the low and high channels amplification. Indicate the DC path in the UHF inputs, if needed.

903 POWER SUPPLIES



9030086

SHIELDED WITH "F"CONNECTOR

9030086	AL-100	2 outputs, 24Vdc 100 mA Power Supply (230 Vac)	24
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9030087	AL-105	2 outputs, 12 Vdc 100 mA Power Supply (230 Vac)	24
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9030119	AL-125	2 outputs, 12 Vdc 100 mA Power Supply (230 Vac), UK plug	24
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9030103	AL-110	4 outputs, 24 Vdc 100 mA Power supply (230 Vac)	24
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9030134	AL-130	5 outputs, 24 Vdc 100 mA Power supply (230 Vac)	24
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9030135	AL-205	2 outputs, 12 Vdc 200 mA Power supply (230 Vac)	24
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Lte COMPATIBLE 903 BROADBAND AMPLIFIERS + POWER SUPPLY



9030181

LTE COMPATIBLE

9030169	BO-160	Amplif. AM-160 + Power Supply (24 Vdc), LTE rejection	24
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9030167	BO-165	Amplif. AM-165 + Power Supply (24 Vdc), LTE rejection	24
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9030170	BO-262	Amplif. AM-262 + Power Supply (24 Vdc), LTE rejection	24
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9030168	BO-266	Amplif. AM-266 + Power Supply (24 Vdc), LTE rejection	24
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9030174	BO-362	Amplif. AM-362 + Power Supply (24 Vdc), LTE rejection	24
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9030173	BO-366	Amplif. AM-366 + Power Supply (24 Vdc), LTE rejection	24
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9030181	BO-911	Amplif. AM-911 & Power supply (24 Vdc), LTE rejection	24
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SHIELDED WITH "F"CONNECTOR

9030157	BO-140	Amplif. AM-140 + Power Supply (24 Vdc)	24
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9030158	BO-242	Amplif. AM-242 + Power Supply (24 Vdc)	24
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9030159	BO-342	Amplif. AM-342 + Power Supply (24 Vdc)	24
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9030160	BO-145	Amplif. AM-145 + Power Supply (24 Vdc)	24
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9030161	BO-246	Amplif. AM-246 + Power Supply (24 Vdc)	24
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9030162	BO-346	Amplif. AM-346 + Power Supply (24 Vdc)	24
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9030126	BO-930	Amplif. AM-930 + Power Supply (230 Vac), UK PLUG	18
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9030043	BO-105	Amplif. AM-105 + Power Supply (230 Vac)	24
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Unit end of stock	9030131	BO-107	Amplif. AM-107 + Power Supply (230 Vac)	24
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9030012	BO-205	Amplif. AM-205 + Power Supply (230 Vac)	24
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9030041	BO-305	Amplif. AM-305 + Power Supply (230 Vac)	24
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Unit end of stock	9030046	BO-406	Amplif. AM-406 + Power Supply (230 Vac)	24
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NEW	9030184	BO-447	Amplif. AM-447 + power supply (230 Vac)	24
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9030140

MAST ACTIVE SPLITTERS

9030140	AM-910	Mast active splitter, 4 outputs, G=6 dB, Sky Digital compatible (9-12 Vdc)	24
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INDOOR DOMESTIC AMPLIFIERS

904

CODE	TYPE	DESCRIPTION	PACK.
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



9040050

WIDEBAND AMPLIFIERS, SHIELDED WITH "F"CONNECTOR			
With IF Satellite band			
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
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)			
9040123	AI-233	CATV indoor amplifier, 2 outputs, 86-862 MHz, RP 5-65 MHz (230 Vac)	24 NEW
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



MULTIBAND AMPLIFIERS

904 **Lte**
COMPATIBLE

LTE COMPATIBLE			
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
9040118	CA-541	5 inputs, 2 outputs, UHF-UHF-BIII-BI-FM, G=45 dB, LTE réjection (230 Vac)	8
9040124	CA-542	5 inputs, 2 outputs, UHF-UHF-BIII-BI-FM, G=45 dB, one UHF input with LTE réjection (230 Vac)	8 NEW



9040124

SMALL SPLITBAND AMPLIFIERS WITH "F" CONNECTOR			
Output 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	1 Input TV+ 1 Input IF, 4 Outputs, G=22 dB 24 Vdc (230 Vac)	24



9040121

*with preamplifier feeding



904

MULTIBAND AMPLIFIERS

CODE	TYPE	DESCRIPTION	PACK.
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MULTIBAND AMPLIFIERS

Output 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
9040116	CA-340	Multiband amplifier 3 inputs, 2 outputs, UHF-UHF-VHF/FM, LTE rejection, 2x110 dB μ V	24
9040117	CA-342	Multiband amplifier 4 inputs, 2 outputs UHF-UHF-BIII-BI/FM, LTE rejection, 2x110 dB μ V	24

* with preamplifier feeding

Output level 115 dB μ V (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
9040064	*CA-511	5 Inputs, 1 output, UHF-UHF-UHF-BIII-BI/FM, 24 Vdc (230/240 Vac)	8

1) These UHF inputs can be freely chosen, for low channels, high channels, intermediate channel groups and monochannels, both for amplification and rejection.

Output level 122 dB μ V (DIN 45004 B) - (230/240 Vac)

9040103	*CA-710	Terrestrial TV, 5 Inputs, 1 Output, UHF-UHF-UHF-BIII/DAB-BI/FM	8
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* with preamplifier feeding

MULTIBAND AMPLIFIERS WITH IF SAT

9040077	*CA-720	6 Inputs, 1 Output, IF-UHF-UHF-UHF-BIII/DAB-BI/FM, output level terrestrial TV 122 dB μ V, satellite 120 dB μ V	8
9040102	*CA-620	6 Inputs, IF-UHF-UHF-UHF-BIII/DAB-BI/FM, 2 outputs TV/SAT TV, output level terrestrial TV 118 dB μ V, satellite 120 dB μ V. SPANISH MARKET ONLY.	8

* With preamplifier feeding & 14/18 Vdc, 0/22 KHz, LNB power

IF SAT AMPLIFIERS

Output level 120 dB μ V (EN 50083-3)

9040003	CA-730	1 Input, 1 Output, 13/17 V; 0/22 kHz G=42 dB (230/240 Vac)	8
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ACCESSORIES

9040029	FL-100	GSM Rejection Filter	6
9040078	DI-007	DIN rail adapter for 904-AI & 906 Series	18

Unit end of stock

DISTRIBUTION AMPLIFIERS

Output level 113 dB μ V (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



9040011



9040034



9040102



9040029

MULTIBAND AMPLIFIERS

904

CODE	TYPE	DESCRIPTION	PACK.
DISTRIBUTION AMPLIFIERS			
Output level 120 dB μ V (DIN 45004 B) (230/240 Vac)			
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=47dB, R.Path 5-30MHz, 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=47dB, R.Path 5-30 MHz, G=10 dB	8
9040043	CF-716	1 In, 1 Out, IF-UHF/VHF/Interband, G=47dB, R.Path 5-65 MHz, G=10dB	8
Output level 120 dB μ V (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
9040119	DA-706	UHF/VHF/RF, output level 120 dB μ V 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 dB μ V. SPANISH MARKET ONLY.	8



9040017



9040025

MODULAR SYSTEMS FOR TERRESTRIAL TV

905

905-TO Series COFDM-PAL TRANSMODULATOR			
9050147	TO-559	COFDM/PAL transmodulator, wideband, multistandard stereo, 1 standard mono	13
9050155	TO-569	COFDM/PAL transmodulator, wideband, with CI slot, multistandard stereo, 1 standard mono	13
9120093	PA-720	Broadband amplifier 119dB μ V	13
9120046	FA-310	Power supply for 8 TO-559 or 5 TO-569 + amp. (230/240 Vac)	7
9120168	FA-312	Power supply for 9 TO-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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
905-RG Series COFDM REGENERATOR			
9050159	RG-101	DTT Regenerator with error correction, BIII-UHF input, wideband output VHF-UHF and interbands	13
9120093	PA-720	Broadband amplifier 119dB μ V	13
9120046	FA-310	Power supply for 6 RG-101 + amp. (230/240 Vac)	7
9120168	FA-312	Power supply for 10 RG-101 + 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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



905-TO SERIES



905 MODULAR SYSTEMS FOR TERRESTRIAL TV

CODE TYPE DESCRIPTION PACK.

CHANNEL PROCESSORS

NEW	9050174	PC-526	DTT & analogue channel processor, wideband UHF/VHF/interbands	1
	9050146	PC-525	DVB-T & analogue channel processor, wideband UHF/VHF interbands	1
	9120093	PA-720	Broadband amplifier 119dB μ V	13
	9120046	FA-310	Power supply for 8 channel processors + amp. (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)	1
	9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
	9050043	VE-500	Fan for Cabinet 230 Vac	1

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/SSXX
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.

905-ZG Series FIXED CHANNEL AMPLIFIERS

Output level 123 dB μ V (DIN 45004 K)

	9050035	ZG-211	Amplifier BII (FM), G = 53 dB (output level 2x109dB μ V)	1
	9050106	ZG-212	Radio amplifier DAB, G = 50 dB (Output level 2x109dB μ V)	1
	9050022	*ZG-431	Single channel amplifier UHF, G = 52 dB, for adjacent channels	1
	9050074	*ZG-611	Single channel amplifier BI, BIII, Interband, G = 52 dB	1
Unit end of stock	9050073	ZG-902	Multichannel amplifier UHF, C/65-69, G=53 dB	1
Unit end of stock	9050037	ZG-901	Multichannel amplifier UHF, C/66-69, G=53 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

905-ZP Series FIXED CHANNEL AMPLIFIERS

Output level 115 dB μ V (DIN 45004 K)

	9050097	ZP-211	Amplifier BII (FM), G = 43 dB (Output level 2x101,0 dB μ V)	1
	9050108	ZP-212	Radio amplifier DAB, G = 40 dB (Output level 2x101dB μ V)	1
	9050092	*ZP-431	Single channel amplifier UHF, G = 40 dB, for adjacent channels	1
	9050098	*ZP-611	Single channel amplifier BI, BIII, Interband, G = 42 dB	1
Unit end of stock	9050133	ZP-902	Multichannel amplifier UHF, C/65-69, G=40 dB	1
Unit end of stock	9050132	ZP-901	Multichannel amplifier UHF, C/66-69, G=40 dB	1
	9050093	*ZP-412	Two channel amplifier UHF, G=40 dB	1
	9050094	*ZP-413	Three channel amplifier UHF, G=40 dB	1
	9050096	*ZP-414	Four channel amplifier UHF, G=40 dB	1



9050174



9120144



9050083

Unit end of stock
Unit end of stock



905-ZG SERIES



905-ZP SERIES

Unit end of stock
Unit end of stock

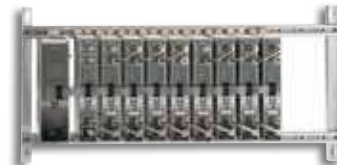
MODULAR SYSTEMS FOR TERRESTRIAL TV

905

CODE	TYPE	DESCRIPTION	PACK.
905-ZP Series FIXED CHANNEL AMPLIFIERS			
Output level 115 dB μ V (DIN 45004 K)			
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 channels

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
9050122	ZA-431	Programmable channel processor for DTT or analogue channels in UHF. Modular, single channel with 70dB selectivity	1
9050139	ZA-331	Programmable channel processor for DTT or analogue channels in BIII. Modular, single channel with 70dB selectivity	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
9050158	ZA-936	905-ZA system with 6 modules ZA-431 and PA-320 amplifier	1
9050129	PA-320	Broadband amplifier 110 dB μ V, 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



905-ZA SERIES



905 - ZA SERIES

INDIVIDUAL DTT RECEIVERS			
9050173	RT-102	DTT set-top box HD, high definition MPEG-4 AVC, PVR USB hard disk output with firmware update from USB	10 NEW
9050171	RT-013	Individual digital terrestrial TV receiver with firmware update by USB, hard disk output by USB	10
9050163	EU-011	Scart cable	10



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



ACCESSORIES FOR MONOCHANNEL HEAD-ENDS UP TO 18 MODULES			
9050083	AS-125	24Vdc 1.7 A Power supply (230/240 Vac) with 10 pins connector	28
9050125	SP-128	Frame for power supply unit and 18 modules	1
9050136	CP-128	Open-backed cabinet for frame, for power supply unit and 18 modules	1 <small>Unit end of stock</small>

9050125



9050136

905 MODULAR SYSTEMS FOR TERRESTRIAL TV

CODE TYPE DESCRIPTION PACK.

ACCESSORIES

9050004	RM-075	Shielded load 75 Ω	1	
9080019	*RC-110	75 Ω Load - Isolated "F" connector	10	
9120105	LS-207	Flat power cable of 20 lines, to connect a FA-310 P.Supply+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	
9050136	CP-128	Open-backed cabinet for frame, for power supply unit and 18 modules	1	
9120132	CP-426	Open-backed cabinet for two frames, for power supply unit and 11 modules (amp.included)	1	
9050043	VE-500	Fan for Cabinet 230 Vac	1	
Unit end of stock	9120136	SP-725	Frame for 19" rack, for power supply unit and 9 modules (amplifier included)	1
	9120100	IP-001	Interface for firmware update 905-TO	13

* Only for 905-Series "NEW DESIGN"

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

906 TAP-OFFS AND SPLITTERS

SHIELDED TAP-OFFS ("F"CONNECTOR) SAT TV IF NON EQUALISED

9060031	FP-211	2 outputs at 11 dB, 5 to 2400 MHz	6
9060032	FP-217	2 outputs at 17 dB, 5 to 2400 MHz	6
9060043	FP-223	2 outputs at 23 dB, 5 to 2400 MHz	6
9060044	FP-226	2 outputs at 26 dB, 5 to 2400 MHz	6
9060046	FP-414	4 outputs at 14 dB, 5 to 2400 MHz	6
9060047	FP-420	4 outputs at 20 dB, 5 to 2400 MHz	6
9060048	FP-426	4 outputs at 26 dB, 5 to 2400 MHz	6
9060063	DE-201	2 outputs at 13,5 dB, 5 to 2150 MHz	12
9060064	DE-203	2 outputs at 16,5 dB, 5 to 2150 MHz	12
9060065	DE-205	2 outputs at 22 dB, 5 to 2150 MHz	12
9060066	DE-207	2 outputs at 27 dB, 5 to 2150 MHz	12
9060068	DE-401	4 outputs at 15 dB, 5 to 2150 MHz	12
9060069	DE-403	4 outputs at 17,5 dB, 5 to 2150 MHz	12
9060070	DE-405	4 outputs at 22,5 dB, 5 to 2150 MHz	12
9060071	DE-407	4 outputs at 28,5 dB, 5 to 2150 MHz	12
9060073	DE-603	6 outputs at 21 dB, 5 to 2150 MHz	12
9060074	DE-605	6 outputs at 24,5 dB, 5 to 2150 MHz	12
9060075	DE-607	6 outputs at 27,5 dB, 5 to 2150 MHz	12

9060046

9060073

TAP-OFFS AND SPLITTERS

906

CODE	TYPE	DESCRIPTION	PACK.
SHIELDED TAP-OFFS ("F" CONNECTOR) SAT TV IF			
EQUALISED			
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



9060038

SHIELDED SPLITTERS ("F" CONNECTOR) SAT TV IF			
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
9060041	FI-253	2 Outputs, 4,5 dB (47 MHz) / 4 dB (2150 MHz)	6
9060042	FI-483	4 Outputs, 9,5 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
9060076	DI-202	2 Outputs, 6 dB (2150 MHz) with DC path, 5 to 2300 MHz	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, 5 to 2300 MHz	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



9060037



9060077

MAST SHIELDED SPLITTER, WITH "F" CONNECTOR

With plastic case for outdoor use

9020041	MM-200	2 Outputs splitter with DC Path	24
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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 Ω Load (for "F" connector)	10



9060026

907 SHIELDED OUTLET UNITS

CODE	TYPE	DESCRIPTION	PACK.
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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)

LNB control, without front plate, 2 outputs

Terminal

9070068	BS-110	Terminal, Attenuation 5 dB	24
9070069	BS-111	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
9070062	BS-100	Terminal, filtered, 1,2 dB, "F" connector.	24



9070105

Serial mounting

9070070	BS-210	Attenuation 12 dB	24
9070071	BS-510	Attenuation 15 dB	24

Cascade mounting

9070004	BS-220	IF Outlet 11,5 dB cascade (5-2400 MHz)	24
9070005	BS-420	IF Outlet 17,5 dB cascade (5-2400 MHz)	24
9070006	BS-620	IF Outlet 22,5 dB cascade (5-2400 MHz)	24
9070008	BS-820	IF Outlet 35 dB cascade (5-2400 MHz)	24



9070070

Terminal, LNB control, with front plate, 2 outputs

9070087	BS-101	BS-100 + EM-202	18
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Terminal, LNB control, with front plate, accessory surface mounting, 3 outputs

9070086	BS-102	IF Terminal outlet, 2dB with 3 connectors, DC path in SAT outlet	24
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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

9070046	BC-110	Terminal, Attenuation 5,5 dB	24
9070044	BC-200	Attenuation 10 dB	24
9070045	BC-500	Attenuation 15 dB	24



9070046

SHIELDED OUTLET UNITS **907**

CODE	TYPE	DESCRIPTION	PACK.
FRONT PLATE			
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



9070022

ACCESSORIES			
9070082	PT-201	Final net point, F, 2 outputs at 4 dB	6 <small>Unit end of stock</small>
9070083	PT-401	Final net point, F, 4 outputs at 10,5 dB	6 <small>Unit end of stock</small>
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
9070104	PT-510	Final net point with splitter 5 out.14,5dB(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 Ω Load resistor	50
9070075	SB-003	Accessory surface mounting	24



9070083



9070102

CONNECTORS AND ACCESSORIES **908**

"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 <small>NEW</small>
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
IEC CONNECTORS (9,52 mm.)			
9080006	MC-001	Male connector 9,52 mm, tinned	10
9080029	HC-000	IEC 9.52mm female connector bent and shielded for coax. ø6,5-7,2mm	10 <small>NEW</small>
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



9080015



9080007



9080000

908 CONNECTORS AND ACCESSORIES

CODE TYPE DESCRIPTION PACK.

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



9080012



9080019

Unit end of stock

75 Ω LOADS

9120011	RS-275	75 Ω Load (For "F" connector)	10
9080031	RC-100	F connector 75 Ohm locking terminator	100
9080019	RC-110	75 Ω Load - Isolated "F" connector	10
9060050	RF-075	75 Ω Load resistor	50



9080031



9080032

Unit end of stock

TOOLS

9080017	HE-000	Stripping tool for RG-6 coaxial, diam.6.5 - 7.1 mm	1
9080028	HE-002	HE-002 Cylinder stripping tool for RG-6 coaxial cable, ø 6.5 - 7.1 mm	1
9080021	HE-001	Stripping tool for RG-11 coaxial, diam.10.1 mm	1
9080032	HE-101	F connector locking terminator mounting tool	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

909 CONNECTING ACCESSORIES

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



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
9090032	AV-206	Variable attenuator VHF/UHF 18 dB with 950 to 2400 MHz, pass through	1



9090047

Unit end of stock

FILTERS "F" CONNECTOR

NEW	9090047	RB-529	LCavities filter, LTE C59 rejection, 30 dB, bandpass 0-782 MHz	8
	9090041	RB-609	LTE, TETRA & GSM rejection filter 60 dB, bandpass 5-790 MHz (on side connectors)	6
	9090042	RB-619	LTE, TETRA & GSM rejection filter 60 dB, bandpass 5-790 MHz (opposite side connectors)	8
	9090023	RB-008	CB rejection filter of 40 dB	1
	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



9090041

CONNECTING ACCESSORIES 909

CODE	TYPE	DESCRIPTION	PACK.
EQUALISERS, "F" CONNECTOR			
9090018	EQ-186	Double equalizer 18 / 6 dB (5-862 MHz)	6
SPLITTERS AND MULTIPLEXERS, IEC CONNECTOR			
9090016	DV-102	Splitter 2 Outputs (Video)	1
9090017	MD-104	Indct. Mix/split.(2 Outputs)	1
PREAMPLIFIERS, IEC CONNECTOR			
9090044	PR-201	UHF preamplifier 14 dB for 905-ZG & 905-ZP equipment female F connector (24Vdc)	1
ATTENUATORS, IEC CONNECTOR (9,52 mm.)			
9090002	AC-018	1-23 dB Attenuator	1
INJECTORS AND EXTRACTORS, IEC CONNECTOR			
9090043	IM-123	Current injector 24 Vdc, for 905-ZG & 905-ZP equipment with femelle F connector	1
ACCESSORIES			
9090038	BL-300	Current blocker (5-2400 MHz)	1



9090016



9090002



9090043

COAXIAL CABLES 910

RG11 Cu/Al/Al			
9100057	CL-201	RG-11 coaxial cable, \varnothing 10.1 mm, 75 Ω , 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			
9100014	FI-250	RG-6 coaxial cable, 6.7 mm, 75 Ω , 16 dB/100 m at 800 MHz, 29 dB/100 m at 2150 MHz, Cu/Cu/Cu, white PVC by 100 m coils	100m
9100055	FI-240	RG-6 coaxial cable, \varnothing 6.7 mm, 75 Ω , 16 dB/100 m at 800 MHz, 29 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, \varnothing 7 mm, 75 Ω , 16 dB/100 m at 800 MHz, 30 dB/100 m at 2150 MHz, Cu/Al/Al, white PVC by 100 m coils	100m
9100056	CE-743	RG-6 coaxial cable, \varnothing 7 mm, 75 Ω , 16 dB/100 m at 800 MHz, 30 dB/100 m at 2150 MHz, Cu/Al/Al, black PE by 100 m coils	100m
9100019	CE-741	RG-6 coaxial cable, \varnothing 7.0 mm, 75 Ω , 16 dB/100 m at 800 MHz, 29 dB/100 m at 2150 MHz, Cu/Al/Al, black PE by 500m spools (minimum order: 5.000m)	500m
RG6 CCS/Al/Al			
9100060	CE-860	Triple shielded RG-6 coaxial cable, \varnothing 7 mm, 75 Ohm, 18 dB/100 m at 800 MHz, 33 dB/100 m at 2150 MHz, CSS/Al/Al/Al, white PVC by 100 m coils	100m
9100058	CE-754	RG-6 coaxial cable, \varnothing 6,7 mm, 75 Ω , 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, \varnothing 6.8 mm, 75 Ω , 18 dB/100 m at 800 MHz, 31 dB/100 m at 2150 MHz, Cu/Al/Al, white PVC by 100 m coils	100m
9100018	CE-850	RG-6 coaxial cable, \varnothing 6.8 mm, 75 Ω , 18 dB/100 m at 800 MHz, 31 dB/100 m at 2150 MHz, Cu/Al/Al, white PVC by 500 m spools (minimum order: 5.000m)	500m
9100050	GC-007	Cable wall support with nail	100



9100056



9100050

911 DISTRIBUTION AMPLIFIERS



9110000

CODE	TYPE	DESCRIPTION	PACK.
DISTRIBUTION AMPLIFIERS			
9110000	DAM-504	Distribution amplifier 120dB μ V, 54 to 862 MHz, return path 5 to 42 MHz, UK plug	1

912 MODULATORS



9120187

HEAD-END REMOTE CONTROLLER			
9120187	SM-010	Remote control and monitoring module	1

VSB MODULATORS (SAW FILTER) STEREO/MONO			
SAW Filter			
9120107	MS-541	A/V Modulator standard BG, wideband programmable	13
9120109	MS-543	A/V Modulator standard I, wideband programmable	13
9120110	MS-544	A/V Modulator standard D/K, wideband programmable	13
9120138	MS-545	A/V Modulator standard MN, wideband programmable	13
9120046	FA-310	Power Supply for 10 modulators + amp. (230/240 Vac)	7
9120140	FA-311	Power supply 3,3+5,2+12+24 Vdc 125 VA 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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1

DIGITAL MODULATORS STEREO/MONO			
Stereo - SAW Filter			
9120194	DM-102	Digital modulator DVB-T with 2 AV inputs	1
9120210	DM-302	Digital modulator DVB-C with 2 AV inputs	13
9120093	PA-720	Broadband amplifier 119dB μ V	13

VSB MODULATORS (SAW FILTER) STEREO/MONO			
Stereo - SAW Filter			
9120106	MS-551	A/V modulator standard BG, stereo, wideband programmable	13
9120093	PA-720	Broadband amplifier 119dB μ V	13

ACCESSORIES			
9120136	SP-725	Frame for 19" rack, for power supply unit and 9 modules (amplifier included)	1
9120102	LA-100	Voltage adaptor from FA-310 power supply to 24Vdc	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
9120105	LS-207	Flat power cable of 20 lines, to connect the P.Supply+11 modules	50
9150049	CST-200	JACK-RCA cable	1



9120210



MS-551

MODULATORS 912

CODE	TYPE	DESCRIPTION	PACK.
MULTISTANDARD COMPACT MODULATORS			
9510064	MD-310	Modulator BIII, standard BG/DK/I	24
9510065	MD-410	Modulator UHF, standard BG/DK/I/L	24
9510066	CR-101	Audio-video cable for MD (Scart to RCA)	100
9510067	MD-531	Modulator wideband BG standard stereo	24
9510068	CR-103	Euroconnector cable to RCA stereo	100



SATELLITE RECEPTION (SMATV) 912

TRANSMODULATORS FOR DIGITAL CHANNELS, SMATV INSTALLATIONS

DVB-S/S2 TO DVB-T Transmodulators

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 NEW
9120200	TT-401	DVB-S/S2 to DVB-T double transmodulator, with DiSEqC, wideband output VHF-UHF-S	13 NEW
9120201	TT-411	DVB-S/S2 to DVB-T double transmodulator, with DiSEqC and Common Interface, wideband output VHF-UHF-S	13 NEW
9120093	PA-720	Broadband amplifier 119dB μ V	13
9120168	FA-312	Power supply for 8 TT-201 or 7 TT-211 + amp. (90-260 Vac)	7
9120046	FA-310	Power supply for 4 TT-201 or 4 TT-211 + amp. (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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



9120213



912-TT SERIES

912 SATELLITE RECEPTION (SMATV)

CODE	TYPE	DESCRIPTION	PACK.
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TRANSMODULATORS FOR DIGITAL CHANNELS, SMATV INSTALLATIONS

QPSK-PAL Transmodulators

9120129	TP-559	QPSK/PAL transmodulator, multistandard stereo, I standard mono	13
9120128	TP-569	QPSK/PAL transmodulator with CI slot, multistandard stereo, I standard mono	13
9120196	TP-579	QPSK-PAL transmodulator, multistandard stereo, I standard mono, with DiSEqC control	13
9120093	PA-720	Broadband amplifier 119dB μ V	13
9120046	FA-310	Power supply for 8 TP-559 or 5 TP-569 + amp. (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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



912-TP SERIES



912-TP C.I. SERIES

DVB-S/S2 TO DVB-C TRANSMODULATORS

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
9120093	PA-720	Broadband amplifier 119dB μ V	13
9120168	FA-312	Power supply for 7 TQ-532 or 5 TQ-533 + amp. (90-260 Vac)	7
9120046	FA-310	Power supply for 6 TQ-532 or 4 TQ-533 + amp. (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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1



912-UC SERIES

IF-IF PROCESSORS

IF SMATV for digital channels

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 dB μ V	1
9120046	FA-310	Power Supply for 8 IF-IF Processors + amp. (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)	1
9120131	CP-226	Open-backed cabinet for frame, for power supply unit and 11 modules (amp.included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
9120124	LA-102	Voltage adaptor from FA-310 power supply to AS-125 (flat cable 10 lines)	1

SATELLITE RECEPTION (SMATV)

912

CODE	TYPE	DESCRIPTION	PACK.
ACCESSORIES			
9120112	AMU-600	Active multiplexer, 6 inputs, 47-862 MHz	13
9120126	CB-400	Combiner-amplifier with 10 inputs, G=29dB, Output level 118dB μ V	9
9120090	MF-201	Headend Multiplexer C/2-S/12 & C/S14-S36	6
9120091	MF-202	Headend Multiplexer C/21-44 & C/47-69	6
9120092	MF-205	Headend Multiplexer C/2-S36 & C/21-69	6
9120027	LF-001	F Connector wrench tool	3
9120079	CD-011	Audio-video cable for MS (RCA to miniDIN)	1
9120098	CD-003	A/V cable for US & MS (miniDIN to/from euroconnector) Stereo	1
9120094	CD-113	Audio-video cable for MS (RCA to miniDIN) Stereo	1
9120102	LA-100	Voltage adaptor from FA-310 power supply to 24Vdc	1
9120124	LA-102	Voltage adaptor from FA-310 power supply to AS-125 (flat cable 10 lines)	1
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 Ω Load (For F connector)	10
9120064	PU-101	Multiplexing SAT bridge	12
9120100	IP-001	Interface for firmware update 912-TP/TQ	13
9120132	CP-426	Open-backed cabinet for two frames, for power supply unit and 11 modules (amp.included)	1
9120186	CP-223	Open-backed cabinet for frame, for power supply unit and 7 modules (amp.included)	1
9120136	SP-725	Frame for 19" rack, for power supply unit and 9 modules (amplifier included)	1
9120181	SK-100	Subrack 19" 7U height for power supply and 9 modules	20
9120182	SK-001	Front plate for 7U subrack for power supply	100
9120183	SK-002	Front plate for 7U subrack for 23 cm module	100
9120185	SK-004	Blanking plate for 7U subrack for module	100
9120188	SK-005	Front plate for 7U subrack for 16 cm module	100
9050043	VE-500	Fan for Cabinet 230 Vac	1
9120105	LS-207	Flat power cable of 20 lines, to connect a FA-310 P.Supply+11 modules	50
9120173	LS-217	Flat power cable of 20 lines, to connect a FA-312 P.Supply+11 modules	50



9120126



9120027



9120186



SK MOUNTED EXAMPLE

DISHES			
9120156	PF-220	Satellite dish 65 cm, electro zinc plated steel with polyester coating	15
9120159	PF-222	Pallet with 300 satellite dishes 65 cm, electro zinc plated steel with polyester coating	1
9120160	PF-420	Satellite dish 80 cm, electro zinc plated steel with polyester coating	12
9120163	PF-422	Pallet with 300 satellite dishes 80 cm, electro zinc plated steel with polyester coating	1
9120122	PF-431	Fibre Offset dish, 85 cm \varnothing	1
9120216	PF-620	Satellite dish 100 cm, electro zinc plated steel with polyester coating	1



9120156

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 \varnothing , 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



9120157

912 SATELLITE RECEPTION (SMATV)

CODE TYPE DESCRIPTION PACK.

LNB

9120198	UE-403	Universal quattro LNB, noise figure 0,2 dB min, Ku band	60
9120192	UE-003	Universal single LNB, noise figure 0.2 dB min, Ku band	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



9120205



9120198

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

INDIVIDUAL SAT RECEIVERS

9050163	EU-011	Scart cable	10
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913 MULTISWITCHES

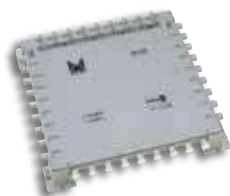
FINAL MULTISWITCHES

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



9130018

POWER SUPPLY

9130054	FU-612	Power Supply unit, 18 Vdc/2000 mA (8 LNB of 250 mA), for multiswitch	1
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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 dB μ V	1
9130041	AU-620	Head-end amplifier for 4 polarities multiswitches, G=45, 118,5 dB μ V	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



9130036



9130037

MULTISWITCHES 913

CODE	TYPE	DESCRIPTION	PACK.
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CASCADABLE MULTISWITCHES

8 polarities + TV

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 dB μ V	1
9130042	AU-640	Head-end amplifier for 8 polarities multiswitches, G=45, 118,5 dB μ V	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 Ω 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

FINAL MULTISWITCHES - NEW RANGE

4 polarities + TV

9130144	MB-102	4 polarities and TV with 8 outputs. DiSEqC 2.0, active terrestrial band, includes power supply, UK plug	5
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

8 polarities + TV

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



9130057



9130050



9130069



9130070

913 MULTISWITCHES

CODE	TYPE	DESCRIPTION	PACK.
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FINAL MULTISWITCHES - NEW RANGE

12 polarities + TV

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
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

16 polarities + TV

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 Final multiswitch, 16 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band	5

CASCADABLE MULTISWITCHES - NEW RANGE

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

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

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	17x32 Cascadable multiswitch, 16 polarities and TV with 32 outputs. DiSEqC 2.0, active terrestrial band	5



9130149



9130159



9130117



9130136

CLUSTER FILTERS 914

CODE	TYPE	DESCRIPTION	PACK.
NON ADJACENT CHANNELS			
9140004	*FE-005	Cluster with 5 filters: UHF-VHF-FM	12
9140003	*FE-006	Cluster with 6 filters: UHF-VHF-FM	12
9140002	*FE-007	Cluster with 7 filters: UHF-VHF-FM	12
9140001	*FE-008	Cluster with 8 filters: UHF-VHF-FM	12
9140000	*FE-009	Cluster with 9 filters: UHF-VHF-FM	12

ADJACENT CHANNELS			
9140009	*FE-015	Cluster with 5 Adjacent filters: UHF-VHF-FM	12
9140008	*FE-016	Cluster with 6 Adjacent filters: UHF-VHF-FM	12
9140007	*FE-017	Cluster with 7 Adjacent filters: UHF-VHF-FM	12
9140006	*FE-018	Cluster with 8 Adjacent filters: UHF-VHF-FM	12
9140005	*FE-019	Cluster with 9 Adjacent filters: UHF-VHF-FM	12

* Each filter must be prepared and set by our Engineers. A model number will be given to each "special" module for each country or area.



9140000

IPTV STREAMERS 915

IPTV STREAMERS			
9150053	SS-201	Streamer DVB-S-2 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
9150045	SV-200	Streamer A/V double to IP	1
9120046	FA-310	Power supply 3,3+5,2+12+24 Vdc 125 VA with 20 pins connector (230/240 Vac)	7
9120136	SP-725	Frame for 19" rack, for power supply unit and 9 modules (amplifier included)	1
9120132	CP-426	Open-backed cabinet for two frames, for power supply unit and 11 modules (amp. included)	1
9050043	VE-500	Fan for Cabinet 230 Vac	1
9050049	CST-200	JACK-RCA cable	1



9150059



915-IPTV SERIES

FIBRE OPTIC DISTRIBUTION 916

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
9120046	FA-310	Power supply for 3 OT-402 (230-240 Vac)	1

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



9160001



9160000

916

FIBRE OPTIC DISTRIBUTION

CODE	TYPE	DESCRIPTION	PACK.
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9300057

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



9160014

FO SPLITTERS FOR MULTISWITCH DISTRIBUTION

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



9160013

RACK

	9160014	ODP-003	Optical patch panel, 24 ports simplex SC/APC singlemode for Rack 19" 1U	1
NEW	9160041	ODP-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



9160016

DISTRIBUTION

	9160012	OWB-001	Wallbox, 4 ports, SC/APC singlemode simplex (max 6 ports), 180x178 mm	1
	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
	9160026	OWB-006	Optical distribution box for up to 16 x F.O., IP65, 320x260x90 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 optique termination box, 2 ports simplex SC/APC singlemode, 90x85x25 mm	1



9160017

ACCESSORIES

	9180002	OEQ-000	Optical power meter Kit including selective optical power meter for FFTH and Triple Laser source for 1310/1490/1550 nm	1
	9180003	OEQ-100	Fiber optic fusion splicing kit, including fusion splicer, cleaver and stripper	1
	9180004	OEQ-200	Fiber optic splicing kit	1
	9160006	OAT-106	Optical attenuator, 6 dB SC/APC 1240 a 1600 nm	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



9160007



9180003

CABLE

NEW	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



9180004

TRANSMITTERS 917

CODE	TYPE	DESCRIPTION	PACK.
TRANSMITTER			
9170004	AX-204	Amplifier UHF band, output power 2W	1
9050083	AS-125	24Vdc 1.7 A Power supply (230/240 Vac) with 10 pins connector	28
9170020	LX-800	Power cable for amplifier	1
9170005	FX-400	Combiner filter for 4 channels	1
9170006	CX-202	Hybrid combiner divider, 2 inputs, 2 outputs, attenuation 3,5 dB	1
9170007	CX-204	Hybrid combiner divider, 2 inputs, 4 outputs, attenuation 7,2 dB	1

19" RACK CABINET			
9170000	RK-200	19" rack cabinet with front glass door, 18 units	1
9170015	RK-900	Support for combiner divider for 19" rack cabinet	1
9170016	RK-901	Bottom panel for 19" rack cabinet	1
9170017	RK-902	7 Sockets power strip	1
9170025	RK-903	5 sockets power strip with magneto-thermal circuit breaker	1
9170026	RK-904	Fan unit for 19" rack cabinet	1
9170027	RK-905	4 wheels kit for 19" rack cabinet	1
9170001	MR-100	Frame for 8 amplifiers with 19" rack adapter	1

ACCESSORIES			
9000057	AP-369	UHF, C/21-69, Array Antenna, G=14 dB	2/50
9170013	AN-412	Panel antenna UHF, broadcast, channels 21/69, G=13 dBi, 50 Ω	1
9170018	MS-901	A/V Modulator standard BG, wideband programmable	1
9170008	LX-000	Jumper cable F male to F male, coaxial RG6 1,20m	1
9170009	LX-001	Jumper cable BNC male to BNC male, coaxial RG58 0,65m	1
9170010	LX-002	Jumper cable N male to N male, coaxial RG8 A/U 0,5m	1
9170021	LX-005	Jumper cable F male to F male, coaxial RG6 0,22m	1
9170023	CL-210	Coaxial cable 10,3mm, 50 Ω 12 dB/100m at 800 MHz, CCA/Al/Cu, black PE by 100m coils	152
9170022	MC-414	Male N connector 50 Ω to solder & crimp on coaxial cable Ø 10,3 mm	1
9170030	DP-107	Tap-off 1 output at 30dB, 50 Ω, 5 to 1000 MHz, with N connector	1
9170029	RC-420	50 Ω load, N connector	1
9170028	EP-521	50 Ω male N to 75 Ω F female adaptor	1
9170024	MO-001	Assembling and setting in the factory of 2W transmitter or re-emitter of up to 8 channels	1



917 SERIES

FIELD METERS 918

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



998 ANTENNA ACCESSORIES

CODE TYPE DESCRIPTION PACK.

TOWERS

9980050	TS-025	Tower top section 2500mm	1
9980051	TI-025	Tower lower section 2500mm	1
9980052	TS-015	Tower-top section 1500mm	1
9980053	BF-003	Fixed base	4
9980017	BA-001	Reinforced tiltable base plate	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
9980113	MT-261	Mast 1500x40x2mm, linkable with block system, galvanized	6
9980110	MT-361	Mast 2000x40x2mm, linkable with block system, 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

9980061	BV-500	Vertical polarity antenna support	12
9980065	RS-500	Horizontal reinforced aerial support	16
9980066	RD-100	Double horizontal reinforced support	8

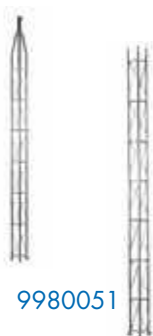
CLAMPS

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
9980112	GM-603	Wall clamp V shape with backplate, 330 mm, zinc plated (two parts)	5
9980069	SE-090	Flange plate for lag screws	50

ACCESSORIES

9980020	TA-001	Tiltable base for roof-top	6
9980013	BB-001	Bar clamp	100
9980012	BB-002	Double reinforced bar clamp	75
9980116	AB-010	Clamp for 35 mm mast	10
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

9980050



9980051

Unit end of stock
Unit end of stock



9980002



9980004



9980066



9980067

Unit end of stock



9980020



9980014

DATA NETWORKS **930**

CODE	TYPE	DESCRIPTION	PACK.
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 <small>NEW</small>
9300057	RWS-003	Wall support of galvanized steel for rack 19", 3U, black	1

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

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

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

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



9300058



9300064



9300059



9180000



9180001

TELEPHONY ACCESSORIES **930**

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



9300020

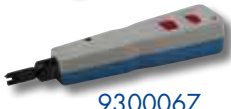
930 TELEPHONY ACCESSORIES



9300030



9300066



9300067



9300041

Unit end
of stock



9300001



9300010

CODE	TYPE	DESCRIPTION	PACK.
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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

TEST POINT

9300041	PP-000	Test Point	1
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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

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

951 MODULATORS

STANDALONE DIGITAL MODULATORS

NEW	9510070	DMH-141	Digital modulator DVBT HD MPEG4 AVC with HDMI input	12
NEW	9510072	DMH-142	Digital modulator DVBT HD MPEG4 with HDMI input	1
NEW	9510071	DMH-341	Digital modulator DVBC HD MPEG4 AVC with HDMI input	12
NEW	9510069	DM-141	Digital modulator DVBT SD MPEG2 with AV input	12



9510011

IR TRANSMITTER BY RADIO OR COAXIAL CABLE (230 VAC)

9510011	IA-001	Indoor Antenna	1
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GENERAL TERMS OF TRADE

The acceptance of orders by ALCAD 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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ALCAD S.L. reserves the right to organise the delivery of the goods in one or several shipments, and to invoice the goods in accordance with the agreed terms. No return of material will be allowed without the express prior authorisation of ALCAD S.L. In the event that the return of the material is accepted, the goods must be in perfect working condition and in their original packing and sent to us carriage-paid with a photocopy of the authorisation of the return and the initial invoice.

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

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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.

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