

	ANTENNA AMPLIFIER APL-102 AMS	ANTENNA AMPLIFIER APL-103E AMS	ANTENNA AMPLIFIER APL-104 AMS	ANTENNA AMPLIFIER APL-107E AMS	ANTENNA AMPLIFIER APL-108 AMS	ANTENNA AMPLIFIER APL-109E AMS	ANTENNA AMPLIFIER W.20 OPTICUM AE-0160/18 DELTA	ANTENNA AMPLIFIER AL-100 ALCAD	ANTENNA AMPLIFIER AL-133 ALCAD	ANTENNA AMPLIFIER AL-200 ALCAD	ANTENNA AMPLIFIER AL-223 ALCAD	ANTENNA AMPLIFIER AL-270 ALCAD	ANTENNA AMPLIFIER ANTTRON-A417	ANTENNA AMPLIFIER ANTTRON-A414	ANTENNA AMPLIFIER AWS-1036 AMS	ANTENNA AMPLIFIER AWS-1141 AMS	ANTENNA AMPLIFIER AWS-1142 AMS	ANTENNA AMPLIFIER AWS-1143 AMS	ANTENNA AMPLIFIER AWS-1144 AMS	ANTENNA AMPLIFIER AWS-1241 AMS	ANTENNA AMPLIFIER AWS-1242 AMS	ANTENNA AMPLIFIER AWS-1243 AMS	ANTENNA AMPLIFIER AWS-1444 AMS	ANTENNA AMPLIFIER AWS-141M AMS	ANTENNA AMPLIFIER AWS-142M AMS	ANTENNA AMPLIFIER AWS-143M AMS	ANTENNA AMPLIFIER AWS-144M AMS	ANTENNA AMPLIFIER BVS-10-02 AXING	ANTENNA AMPLIFIER CA-215 ALCAD	ANTENNA AMPLIFIER HS-013 TERRA		
																																
	5.94 EUR 5.94 EUR	5.45 EUR 5.45 EUR	5.94 EUR 5.94 EUR	5.94 EUR 5.94 EUR	5.94 EUR 5.94 EUR	5.94 EUR 5.94 EUR	2.81 EUR 2.81 EUR	9.00 EUR 9.00 EUR	14.60 EUR 14.60 EUR	19.32 EUR 19.32 EUR	14.46 EUR 14.46 EUR	15.22 EUR 15.22 EUR	26.64 EUR 26.64 EUR	29.10 EUR 29.10 EUR	33.53 EUR 33.53 EUR	25.83 EUR 25.83 EUR	26.31 EUR 26.31 EUR	26.95 EUR 26.95 EUR	28.79 EUR 28.79 EUR	31.12 EUR 31.12 EUR	31.76 EUR 31.76 EUR	32.08 EUR 32.08 EUR	32.72 EUR 32.72 EUR	21.34 EUR 21.34 EUR	22.14 EUR 22.14 EUR	22.62 EUR 22.62 EUR	23.42 EUR 23.42 EUR	5.60 EUR 5.60 EUR	22.51 EUR 22.51 EUR	43.26 EUR 43.26 EUR		
Frequency range	87 MHz ... 230 MHz - FM, VHF, DAB	174 MHz ... 694 MHz - VHF, UHF	87 MHz ... 790 MHz - FM, VHF, UHF	174 MHz ... 694 MHz - VHF, UHF	88 MHz ... 790 MHz - FM, VHF, UHF	174 MHz ... 694 MHz - VHF, UHF	5 MHz ... 860 MHz	47 MHz ... 862 MHz	40 MHz ... 318 MHz - VHF / 470 MHz ... 862 MHz - UHF	86 MHz ... 862 MHz 5 MHz ... 65 MHz Return channel	40 MHz ... 318 MHz / 470 MHz ... 862 MHz	86 MHz ... 862 MHz 0 MHz ... 65 MHz Return channel	40 MHz ... 318 MHz - VHF / 470 MHz ... 862 MHz - UHF	5 MHz ... 65 MHz, 85 MHz ... 862 MHz (OUT 1), 85 MHz ... 862 MHz (OUT 2-4)	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 790 MHz	87 MHz ... 694 MHz	87 MHz ... 694 MHz	87 MHz ... 694 MHz	87.5 MHz ... 862 MHz	40 MHz ... 318 MHz / 470 MHz ... 862 MHz	47 MHz ... 400 MHz / 470 MHz ... 862 MHz		
Number of inputs/outputs	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1 + 1 (1 x test: -14dB)	1 / 1 + 1 (1 x test: -15dB)	1 / 2	1 / 2	1 / 2	1 / 4	1 / 4	1 / 1	1 / 2	1 / 3	1 / 4	1 / 1	1 / 2	1 / 3	1 / 4	1 / 1	1 / 2	1 / 3	1 / 4	1 / 1	1 / 2	1 / 2		
Input/output impedance	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	
Connectors type	1 x F socket / 1 x F socket	1 x F socket / 1 x F socket	1 x F socket / 1 x F socket	1 x F socket / 1 x F socket	1 x F socket / 1 x F socket	1 x F socket / 1 x F socket	1 x F plug / 1 x F socket	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	F*	
DC voltage passing	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Return channel loss	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Isolation between outputs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Gain	25 dB ± 2	• 10 dB ± 1.5 dB @ VHF, • 10 dB ... 13 dB ± 1.5 dB @ UHF	• 18 dB ± 2 dB @ FM • 20 dB ± 2 dB @ VHF • 20 dB ... 23 dB ± 2 dB @ UHF	• 20 dB ± 2 dB @ VHF, • 21 dB ... 23 dB ± 2 dB @ UHF	• 20 dB ± 2 dB @ VHF, • 24 dB ± 2 dB @ VHF • 25 dB ... 28 dB ± 2 dB @ UHF	• 23 dB ± 2 dB @ VHF, • 26 dB ... 28 dB ± 2 dB @ UHF	20 dB	18 dB	14 dB ± 2 dB @ VHF 24 dB ± 2 dB @ UHF	24 dB ± 1 dB, -2.5 dB ± 0.5 dB Return channel	24 dB	25 dB ± 1 dB -5.5 dB ± 1 dB Return channel	14 dB ± 1 dB @ VHF 24 dB ± 2 dB @ UHF	18 dB	12 dB	20 dB / 27 dB ± 2 dB	19 dB / 22 dB (±plusmn 1.5) dB	17 dB / 19 dB	AB14/16 C17/19 (±plusmn 1.5) dB	14 dB / 17 dB	28 / 31 dB ± 2 dB	25 / 28 dB ± 2 dB	• A,B outputs : 21 / 25 dB ± 2 dB, • C output : 24 / 28 dB ± 2 dB	21 / 25 dB ± 2 dB	20 / 24 dB ± 2 dB	17 / 20 dB ± 2 dB	15 / 20 dB ± 2 dB	14 / 17 dB ± 1.5 dB	10 dB	24 ... 25 dB	22 dB	
Gain adjustment	...	...	...	...	...	...	...	...	16 dB	18 / 13 dB	12 dB VHF 16 dB UHF	15 / 10 dB	16 dB @ VHF, 12 dB @ UHF	5 dB ... 18 dB	0 dB ... 12 dB	0 dB ... 14 dB (+/- 1dB)	0 dB ... 10 dB (+/- 1dB)	0 dB ... 10 dB (+/- 1dB)	0 dB ... 10 dB (+/- 1dB)	0 dB ... 10 dB	0 ... 10 dB ± 2 dB	0 ... 12 dB ± 1 dB	0 ... 10 dB ± 2 dB	0 ... 10 dB ± 2 dB	0 ... 10 dB ± 2 dB	0 ... 10 dB ± 2 dB	0 ... 10 dB ± 2 dB	0 ... 10 dB ± 2 dB	12 dB UHF 16 dB VHF	12 dB UHF 15 dB VHF		
Maximum output level	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Self-noises	≤ 3 dB	≤ 3 dB	≤ 4 dB	≤ 3 dB	≤ 4 dB	≤ 3 dB	...	...	...	...	...	...	...	...	102 dBpV	106 dBpV	104 dBpV	104 dBpV	100 dBpV	109 dBpV (2kTV)	105 dBpV (2kTV)	C output : 104 dBpV (2kTV)	101 dBpV (2kTV)	105 dBpV (2kTV)	102 dBpV (2kTV)	102 dBpV (2kTV)	100 dBpV (2kTV)	...	...	...		
IMA2 60dB	...	...	...	...	...	...	...	...	...	...	...	...	...	...	83 dBpV	87 dBpV	85 dBpV	85 dBpV	81 dBpV	90 dBpV	86 dBpV	85 dBpV	82 dBpV	86 dBpV	83 dBpV	84 dBpV	81 dBpV	...	...	...		
Max. output level	97 dBpV	• 96 dBpV (2kTV) • 90 dBpV (IMA3)	96 dBpV	• 96 dBpV (2kTV) • 90 dBpV (IMA3)	96 dBpV	• 97 dBpV (2kTV) • 91 dBpV (IMA3)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Return loss	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pre-amplifiers powering	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Main features	...	...	...	...	...	...	Built-in GSM / LTE filter	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S/N ratio	...	...	...	...	...	...	...	...	4.5 dB VHF 3 dB UHF	6 dB ± 1 dB	4.5 dB VHF 3.5 dB UHF	< 6 dB	< 4.5 dB - VHF, ≤ 3 dB - UHF	4.5 dB	4.5 dB	≤ 5 dB ± 1 dB	3 dB	≤ 4 dB	5 dB ± 1 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	≤ 4 dB	< 7 dB	3 dB	< 4.5 dB	
IMA3 60dB	...	...	...	...	...	...	88 dBpV	max. 101 dBpV	110 dBpV	max. 102 dBpV	105 dBpV	99 dBpV	105 dBpV	105 dBpV	96 dBpV	100 dBpV	98 dBpV	98 dBpV	94 dBpV	103 dBpV	99 dBpV	98 dBpV	95 dBpV	99 dBpV	96 dBpV	97 dBpV	94 dBpV	max. 107 dBpV	max. 102 dBpV	max. 105 dBpV		
Voltage passing to the preamplifiers mounted inside antennas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Power consumption	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Operation temp	-30 °C ... 50 °C	-30 °C ... 50 °C	-30 °C ... 50 °C	-30 °C ... 50 °C	-30 °C ... 50 °C	-30 °C ... 50 °C	-10 °C ... 50 °C	...	...	...	...	...	...	...	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	-25 °C ... 55 °C	...	...	-20 °C ... 50 °C	
Power supply	12 V DC / 55 mA	12 V DC / 35 mA	12 V DC / 60 mA	12 V DC / 60 mA	12 V DC / 60 mA	12 V DC / 55 mA	5 ... 12 V DC / 35 mA (from output side)	12 V / 50 mA via antenna cable	230 V	230 V AC	220 V	230 V AC	230 V AC	230 V AC	230 V AC	12 V DC / 250 mA	12 V DC / 150 mA	12 V DC / 300 mA (power adapter included)	12 V DC / 150 mA	12 V DC / 300 mA (power adapter included)	12 V DC / 250 mA (power adapter included)	12 V DC / 250 mA (power adapter included)	12 V DC / 250 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	12 V DC / 150 mA (power adapter included)	
Weight	0.03 kg	0.03 kg	0.03 kg	0.03 kg	0.03 kg	0.03 kg	0.030 kg	...	...	...	...	...	...	...	0.28 kg	280 g	0.3 kg	...	...	...	...	...	0.3 kg	0.3 kg	0.3 kg	0.3 kg	0.08 kg	0.09 kg	0.1 kg	...	0.38 kg	
Dimensions	66 x 20 x 18 mm	66 x 20 x 18 mm	66 x 20 x 18 mm	66 x 20 x 18 mm	66 x 20 x 18 mm	66 x 20 x 18 mm	Ø 21 x 47 mm	...	...	...	...	...	...	...	115 x 95 x 35 mm	115 x 95 x 35 mm	124 x 88 x 27 mm	...	...	...	...	...	125 x 88 x 26 mm	125 x 88 x 26 mm	125 x 88 x 26 mm	125 x 88 x 26 mm	111 x 64 x 28 mm	111 x 64 x 28 mm	112 x 64 x 29 mm	111 x 64 x 28 mm	...	119 x 71 x 45 mm
Manufacturer / Brand	AMS	AMS	AMS	AMS	AMS	AMS	OPTICUM	DELTA	ALCAD	ALCAD	ALCAD	ALCAD	ANTTRON	ANTTRON	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AMS	AXING	ALCAD	TERRA	
Guarantee	2 years	3 years	2 years	3 years	2 years	3 years	2 years	3 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	

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