903 MAST AMPLIFIERS

AMP UHF-DAB/FM 20 DB LTE MAST 24 VDC

Code : **9030166**

Model : **AM-262**

Description
Broadband amplifiers for masts, compatible with LTE mobile telephone signals with amplification band in UHF 470-790 MHz. They have one or two inputs to amplify and combine the signals from the antennas. They are fed through the coaxial cable from a power supply unit installed inside the building. They incorporate a switchable DC path, allowing power to be supplied to a preamplifier.

Applications
Individual digital and analogue terrestrial TV installations which are affected by the transmission of LTE mobile phone signals and which require low gain. They amplify and mix the signals from several antennas. The signal obtained can be distributed to a large number of TV outlets by means of a single coaxial cable.

Characteristics
Shielded zamak chassis, covered by a weather-resistant plastic casing. Easy to open and close, the chassis can be tilted to facilitate manipulation. It can be installed either on a mast, by means of a polyamide clamp, or on a wall. Resistant to sun and water (IP53). Greater insulation between inputs and outputs. F-type connectors for screwing or crimping.

		9030165	9030166			9030172			
CODE		**9030165**	**9030166**			**9030172**			
MODEL		AM-160	AM-262			AM-362			
Connection		F female							
Inputs		1	2			3			
Frequency range — Band	Band	UHF	FM	DAB	UHF	FM	DAB	UHF1	UHF2
Frequency range — MHz	MHz	470-790	88-108	160-260	470-790	88-108	160-260	470-790	470-790
Gain	dB±	20	10		20	10		20	
Flatness response	dB	±2	±1		±2	±1		±2	
Adjustable gain range	dB	16	20		16	20		16	
Output level	dBµV	108 DIN 45004B 105 (IMD3 - 66 dB) 93 (IMD2 - 60 dB)							
Return loss	dB	≥10	≥10			≥10			
Noise figure	dB	3±1	5±1		3±1	5±1		5,5±1	
Rejection between inputs	dB	≥30							
Power supply	V⎓	24							
Power supply	mA	30							
Switchable DC path	V⎓	24	-		24	-		24	
Switchable DC path	mA	50	-		50	-		50	
Operating temperature	°C	-10..+65							
Protection index		IP 53							
Units per packaging		1			24				
Packing weight	Kg	0.22			5.78				
Packing dimensions	mm	110 x 125 x 45			345 x 200 x 280				