

# 903 MAST AMPLIFIERS

AMP UHF/BIII 20 DB LTE MAST 12 VDC



Code : **9030178**

Model : **AM-173**

## Description

Broadband amplifiers for masts, compatible with LTE mobile telephone signals with amplification band in UHF 470-790 MHz. Includes a rejection filter to suppress LTE signals. 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.

## Accessories

9030087 AL-105 +12 power supply unit. 9120011 RS-275 Type F load of 75Ω 9120039 CM-004 Male F connector for Ø6.6 mm coaxial. 9080023 MC-302 Male F connector for RG-6 coaxial, Ø7.0 mm. 9080030 MC-304 Male compression F connector for RG-6 coaxial Ø7.0 mm. CODE 9030178 90

CODE		9030178		9030175	
MODEL		AM-173		AM-270	
Connection		F female			
Inputs		1		2	
Frequency range	Band	BIII/DAB/UHF		BIII/DAB	UHF
	MHz	160-260	470-790	160-260	470-790
Gain	dB	10	20	10	20
Flatness response	dB	±1	±2	±1	±2
Adjustable gain range	dB	20	16	20	16
Output level	dB $\mu$ V	108 DIN 45004B 105 (IMD <sub>3</sub> - 66 dB) 93 (IMD <sub>2</sub> - 60 dB)			
Return loss	dB	≥10		≥10	
Noise figure	dB	5±1	3,5±1	5±1	3,5±1
Rejection between inputs	dB	≥30			
Power supply	V $\overline{--}$	12			
	mA	30			
Switchable DC path	V $\overline{--}$	-	-	-	12
	mA	-	-	-	50
Operating temperature	°C	-20...+65			
Protection index		IP 53			
Units per packaging		1		24	
Packing weight	Kg	0.25		5.78	
Packing dimensions	mm	110 x 125 x 45		345 x 200 x 280	