903 MAST AMPLIFIERS

AMP UHF+BIII/FM 32 DB LTE700 MAST 12 VDC



Code : **9030186**

Model : **AM-187**

Description
Broadband amplifiers for masts, com patible with LTE mobile telephone signals with amplification band in UHF 470-694 MHz. They have one input to amplify and combine the signals from the antennas. The inputs can be configured as a single input for the combined bands or two inputs for separate bands. They are fed through the coaxial cable from a power supply unit installed inside the building.

Applications
Individual digital and analogue terre strial 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 mean s 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.

CODE		9030185			9030186		
MODEL		AM-183			AM-187		
Connection		F female					
Inputs		1/2			1/2		
Frequency range	Band	FM	BIII/DAB	UHF	FM	BIII/DAB	UHF
	MHz	88-108	160-260	470-694	88-108	160-260	470-694
Gain	dB	16		24	20		34
Flatness response	dB	±1		±2	±1		±2
Adjustable gain range	dB	20		16	20		16
Output level	dBµV	108 DIN 45004B 105 (IMD_3 -66dB) 95 (IMD_2 -60dB)					
Return loss	dB	≥10					
Noise figure	dB	5,0 ±1,0		3,5 ±1,0	5,0 ±1,0		3,5 ±1,0
Rejection between inputs	dB	>30					
Power supply	VG̃	12					
	mA	45					
Operating temperature	°C	-20.. 65					
Protection index		IP53					
Units per packaging		1			24		
Packing weight	Kg	0,22			5,87		
Packing dimension	mm	110 x 125 x 45			345 x 200 x 280		