



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. 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. 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 high 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.

CODE		9030187		9030188	
MODEL		AM-167		AM-177	
Connection		F Female			
Inputs		1/2		1/2	
Frequency range	Band	BIII/DAB	UHF	BIII/DAB	UHF
	MHz	160-260	470-790	160-260	470-790
Gain	dB	22	34	22	34
Flatness response	dB	±1	±2	±1	±2
Adjustable gain range	dB	20	16	20	16
Output level	dB μ V	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	V $\overline{---$	24		12	
	mA	35		45	
Switchable DC path	V $\overline{---$	-	24	-	12
	mA	-	50	-	50
Operating temperature	°C	-10.. 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	

The AM-167 amplifier is available in KIT format, **BO-167 = AM-167 + AL-100**