903 MAST AMPLIFIERS

AMP UHF-UHF-BIII/DAB 34 DB LTE MAST



Code : **9030177**

Model : **AM-374**

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 two or three 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 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 insolation 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 75???? 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		9030176		9030177		
MODEL		AM-274		AM-374		
Connection		F female				
Inputs		2		3		
Frequency range	Band	BIII/DAB	UHF	BIII/DAB	UHF1	UHF2
	MHz	160-260	470-790	160-260	470-790	470-790
Gain	dB	20	34	20	34	
Flatness response	dB	±1	±2	±1	±2	
Adjustable gain range	dB	20	16	20	16	
Output level	dBµV	108 DIN 45004B 105 (IMD3 - 66 dB) 93 (IMD2 - 60 dB)				
Return loss	dB	≥10				
Noise figure	dB	5±1	3,5±1	5±1	6±1	
Rejection between inputs	dB	≥30				
Power supply	V⎓	12				
	mA	30				
Switchable DC path	V⎓	-	12	-	12	
	mA	-	50	-	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		