

# 903 MAST AMPLIFIERS

AMP UHF-DAB/FM 32 DB MAST 24 VDC



Code : **9030142**

Model : **AM-246**

## Description

Broadband amplifiers for masts. They have one, 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 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.

## Accessories

9030086 AL-100 +24 power supply unit. 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		9030141	9030142			9030153			
MODEL		AM-145	AM-246			AM-346			
Connection		F female							
Inputs		1	2			3			
Frequency range	Band	UHF	FM	DAB	UHF	FM	DAB	UHF1	UHF2
	MHz	470-862	88-108	160-260	470-862	88-108	160-260	470-862	470-862
Gain	dB	32	20		32	20		32	
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 $\overline{\text{---}}$	24							
	mA	30							
Switchable DC path	V $\overline{\text{---}}$	24	-		24	-		24	
	mA	50	-		50	-		50	
Operating temperature	°C	-20..+65							
Protection index		IP 53							
Units per packaging									
Packing weight	Kg								
Packing dimensions	mm								