903 MAST AMPLIFIERS

AMP UHF-UHF-BIII/DAB-FM 32 DB LTE700 24V



Code : **9030204**

Model : **AM-497**

Description
Broadband amplifiers for masts, compatible with LTE700 and LTE800 mobile telephone signals with amplification band in UHF 470-694 MHz. They have four 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 LTE700 and LTE800 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 (IP33). 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.

CÓDIGO-CODE-CODE		9030204			
MODELO-MODEL-MODÈLE		AM-497			
Número de entradas Number of inputs Nombre d'entrées		4			
Rango de frecuencia Frequency range Gamme de fréquences	Band	FM	BIII/DAB	UHF1	UHF2
	MHz	88-108	160-260	470-694	470-694
Ganancia Gain Gain	dB	20		32	
Regulación de ganancia Adjustable gain range Plage de réglage du gain	dB	20		16	
Nivel de salida Output level Niveau de so rtie	dBµV	108 DIN 45004B 105 (IMD_3 -66 dB) 93 (IMD_2 -60 dB)			
Figura de ruido Noise Figure Facteur de bruit	dB	5,0 ±1,0		6,0 ±1,0	
Rechazo entre entradas Rejection between inputs Rejection entre entrées	dB	>30			
Alimentación Power supply Alimentation	V⎓	24			
	mA	35			
Paso de corriente DC path Passage d´alimentation	V⎓	-		24	24
	mA	-		50	50
Temperatura de funcionamiento Operating temperature Température de fonctionnement	°C	-20..+65			
Índice de protección Proteccion index Indice de protection		IP 33			

DIN 45004B: 3 unequal carriers, IMD_3 at 60 dB
IMD_3 -66 dB: 3 unequal carriers, EN 60728-5
IMD_2 -60 dB: 2 equal carriers, EN 60728-5

BO-497 = AM-497 + AL-100 (COD. 9030206)