

# 903 MAST AMPLIFIERS

## AMP SAT-UHF-DAB/FM 32 DB MAT



Code : **9030212**

Model : **AM-696**

### Description

Broadband amplifiers for masts, amplifies the signal from terrestrial antennas and multiplexes the satellite signal. Powered through the coaxial cable from a power supply unit installed inside the building. The LNB is controlled by the control signal coming from the satellite set-top-box. It incorporates a switchable DC path, allowing power to be supplied to an antenna preamplifier. Compatible with LTE700 and LTE800 mobile telephone signals. UHF Amplification band 470-694 MHz.

### Applications

Individual terrestrial and satellite TV installations, digital and analogue. It amplifies the signal from two terrestrial antennas and combines the signals along with the satellite signal. The signal obtained can be distributed to a large number of TV outlets by means of a single coaxial cable.

### Characteristics

Shielded zamak chassis, with 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 zip tie, or on a wall. Resistant to sun and water (IP53). F-type compression or screwing connectors.

CÓDIGO-CODE-CODE		9030212			
MODELO-MODEL-MODÈLE		AM-696			
Número de entradas/salidas Number of inputs/outputs Nombre d'entrées/sorties		3			
Rango de frecuencia Frequency range Gamme de fréquences	Band	FM	DAB	UHF	SAT
	MHz	88-108	160-260	470-694	950-2150
Ganancia Gain Gain	dB	20		32	-2,0
Regulación de ganancia Adjustable gain range Plage de réglage du gain	dB	16		20	-
Nivel de salida Output level Niveau de sortie	dBμV	180 DIN 45004B 105 IMD <sub>3</sub> -66 dB			-
Figura de ruido Noise figure Facteur de bruit	dB	6,0 ±1		4,0 ±1	-
Rechazo entre entradas Rejection between inputs Rejection entre entrées	dB	≥30			
Alimentación Power supply Alimentation	V <sub>DC</sub>	12-18			
	mA	125 + LNB + preamplifier			
Paso de corriente DC path Passage d'alimentation	V <sub>DC</sub>	-	24	12	STB Power 13/18 0/22 kHz
	mA	-	30	300	
Temperatura de funcionamiento Operating temperature Température de fonctionnement	°C	-10..+65			
Índice de protección Protection index Indice de protection		IP 53			

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB  
 IMD3 -66 dB: 3 unequal carriers, EN 60728-5

BO-696 = AM-696 + AL-100 (COD. 9030211)