

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 | dB μ V | 180 DIN 45004B 105 IMD ₃ -66 dB | | | - |
| Figura de ruido Noise figure Facteur de bruit | dB | 6,0 \pm 1 | | 4,0 \pm 1 | - |
| Rechazo entre entradas Rejection between inputs Rejection entre entrées | dB | \geq 30 | | | |
| Alimentación Power supply Alimentation | V \dots | 12-18 | | | |
| | mA | 125 + LNB + preamplifier | | | |
| Paso de corriente DC path Passage d'alimentation | V \dots | - | 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, IMD₃ at 60 dB
 IMD3 -66 dB: 3 unequal carriers, EN 60728-5

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