

# 903 MAST AMPLIFIERS

## AMP UHF - UHF/DAB 40DB LTE700 MAT

Code : **9039910**

Model : **AM-916**



### Description

Broadband amplifiers for masts, compatible with LTE800 and LTE700 mobile signals (UHF amplification in the 470-694 MHz band). They have two inputs to amplify and combine the signals from the antennas. They have two outputs. 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 very 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

| CÓDIGO-CODE-CODE  |                 | 9039910   |                  |      |
|---|-----------------|---|------------------|------|
| MODELO-MODEL-MODELE   |                 | AM-916  |                  |      |
| Número de salidas<br>Number of outputs<br>Nombre de sorties                             |                 | 2   |                  |      |
| Número de entradas<br>Number of inputs<br>Nombre d'entrées                              |                 | 3   |                  |      |
| Rango de frecuencia<br>Frequency range<br>Gamme de fréquences                           | Band            | DAB   | UHF1             | UHF2 |
|   | MHz             | 160-260   | 470-694          |      |
| Ganancia<br>Gain<br>Gain  | dB              | 28  | 40               |      |
| Regulación de ganancia<br>Adjustable gain range<br>Plage de réglage du gain             | dB              | 20  | 16               |      |
| Nivel de salida<br>Output level<br>Niveau de sortie                                     | dB $\mu$ V      | 2 x 108 DIN 45004B<br>2 x 105 (IMD <sub>3</sub> -66 dB)<br>2 x 93 (IMD <sub>2</sub> -60 dB) |                  |      |
| Figura de ruido<br>Noise figure<br>Facteur de bruit                                     | dB              | 5,0<br>$\pm$ 1,0  | 3,5<br>$\pm$ 1,0 |      |
| Rechazo entre entradas<br>Rejection between inputs<br>Rejection entre entrées           | dB              | >30   |                  |      |
| Alimentación<br>Power supply<br>Alimentation  | V <sub>DC</sub> | 12  |                  |      |
|   | mA              | 80  |                  |      |
| Paso de corriente<br>DC path<br>Passage d'alimentation                                  | V <sub>DC</sub> | -   | 12               |      |
|   | mA              | -   | 50               |      |
| Temperatura de funcionamiento<br>Operating temperature<br>Température de fonctionnement | °C              | -10..+65  |                  |      |
| Índice de protección<br>Protection index<br>Indice de protection                        |                 | IP 53   |                  |      |

**BO -916 = AM-916 + AL-105**

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB

IMD<sub>3</sub> -66 dB: 3 unequal carriers, EN 50083-5

IMD<sub>2</sub> -60 dB: 2 equal carriers, EN 50083-5

Data published in compliance with the definitions and measurement methods of the following standards: EN 50083-3, EN 50083-4 and EN 50083-5

