

# 904 BROADBAND AMPLIFIERS

AMP TV-SAT, IF-3XUHF-BIII/DAB-BI/FM LTE



Code : **9040128**

Model : **CA-750**

## Description

TV-SAT broadband head-end amplifier with several inputs compatible with the transmission of LTE800 mobile telephone signals. They independently amplify the terrestrial TV and satellite IF bands and distribute both bands through the output. It has a voltage switch and 22 KHz tone in order to select the polarity of an individual LNB. The built-in power supply unit can feed up to five preamplifiers and a LNB automatically.

## Applications

Designed for medium to large analogue and digital SMATV installations which are affected by the transmission of LTE800 mobile telephone signals. Used as a single piece of equipment to treat all terrestrial and satellite TV signals, greatly simplifying the installation. Adjusted by means of a gain controller for each terrestrial/SAT input and a variable slope control for SAT.

## Characteristics

Made from zamak and galvanised plate for maximum shielding. Separate housings for the power supply unit and the high frequency circuit. F-type connectors, located on the lower part to make installation easier.

| CÓDIGO-CODE-CODE  |             | 9040128  |          |          |        |          |  |
|---|-------------|--|----------|----------|--------|----------|--|
| MODELO-MODEL-MODELE   |             | CA-750   |          |          |        |          |  |
| Número de entradas/salidas<br>Number of inputs/outputs<br>Nombre d'entrées/sorties      |             | 6 / 1  |          |          |        |          |  |
| Ganancia<br>Gain<br>Gain  | Band        | BI/FM  | BIII/DAB | UHF1     | UHF2   | UHF3     | SAT  |
|   | MHz         | 47-108   | 160-254  | 470-790  |        |          | 950-2150   |
|   | Filter      |  |          |          | LTE800 |          |  |
|   | dB<br>± TOL | 41 ± 2,0   |          | 51 ± 2,0 |        | 42 ± 2,0 |  |
| Regulación de ganancia<br>Gain adjustment<br>Réglage de gain                            | dB          | 20   |          |          |        |          |  |
| Ecualización fija<br>Fixed equalization<br>Pente fixe                                   | dB          | -  |          |          |        |          | 5  |
| Margen de ecualización<br>Adjustable equalization range<br>Plage de réglage de pente    | dB          | -  |          |          |        |          | 7  |
| Nivel de salida<br>Output level<br>Niveau de sortie                                     | dBµV        | 122 DIN 45004B<br>119 (IMD <sub>3</sub> -60 dB)<br>112 (IMD <sub>2</sub> -60 dB) |          |          |        |          | 120<br>(IMD <sub>3</sub> -35 dB)<br>110<br>(IMD <sub>2</sub> -60 dB) |
| Figura de ruido<br>Noise figure<br>Facteur de bruit                                     | dB          | 10 ± 1,0   |          | 9 ± 1,0  |        | 10 ± 1,0 |  |
| Tensión de salida<br>Output voltage<br>Tension de sortie                                | Vdc         | 24 Auto  |          |          |        |          | 13 / 18  |
|   | mA          | 60   |          |          |        |          | 350  |
|   | Tone        |  |          |          |        |          | 0/22 KHz   |
| Tensión de red<br>Mains voltage<br>Tension du secteur                                   | Vac         | 230 ±15% 50/60 Hz  |          |          |        |          |  |
|   | W           | 13   |          |          |        |          |  |
| Temperatura de funcionamiento<br>Operating temperature<br>Température de fonctionnement | °C          | -10..+65   |          |          |        |          |  |
| Índice de protección<br>Protection index<br>Indice de protection                        |             | IP 50D   |          |          |        |          |  |

