

904 BROADBAND AMPLIFIERS

AMPLIFIER UHF-UHF-BIII-BI-FM LTE



Code : **9040118**

Model : **CA-541**

Description

Broadband amplifier for head-end, with several inputs and different frequency configurations, compatible with the transmission of LTE mobile telephone signals. The built-in power supply unit can feed up to five preamplifiers automatically. Output test-point to adjust the installation without having to disconnect the TV signal. Available on request in 125 and 240 V~.

Applications

Large-scale collective digital and analogue terrestrial TV installations which are affected by the transmission of LTE mobile telephone signals. Suitable for installations where the channels of each band are received at similar levels. Adjustment by means of regulators which control the gain at each input. Characteristics Made from zamak and galvanised steel plate to provide maximum shielding. Independent housings for the power supply unit and the high frequency circuit. Input and output connectors in the lower part facilitate installation. F-type connectors for screwing on or crimping.

| CODE | | 9040118 | | | | |
|--------------------------|-------------------|--|--------|----------|---------|------|
| MODEL | | CA-541 | | | | |
| TV System | | AM-TV / DVB-T | | | | |
| Connection | | F female | | | | |
| Number of outputs | | 1+test | | | | |
| Number of inputs | | 5 | | | | |
| Frequency range | Band | BI | FM | BIII/DAB | UHF1 | UHF2 |
| | MHz | 47-70 | 88-108 | 160-260 | 470-790 | |
| Gain | dB | 40 | | | 45 | |
| Adjustable gain range | | 20 | | | | |
| Flatness response | dB | ±2 | | | | |
| Output test point | dB | -28 ±1 | | -30 ±1 | -34 ±2 | |
| Output level | dBµV | 115 DIN 45004B 112 (IMD3 -60 dB) 105 (IMD2 -60 dB) | | | | |
| Return loss | dB | 10 | | | | |
| Chroma - luminance delay | ns | <10 | | | | |
| Noise figure | dB | 8 | | | | |
| Output voltage | V _{DC} | 24 Auto | | | | |
| | mA | 60 | | | | |
| Fuse | V _~ /A | 220 / 1.6 | | | | |
| Mains voltage | V _~ | 230±10% 50/60 Hz | | | | |
| | VA | 8 | | | | |
| Operating temperature | °C | -20..+60 | | | | |
| Protection index | | IP50D | | | | |
| Units per packaging | | 1 | | | | |
| Packing weight | Kg | 1.8 | | | | |
| Packing dimensions | mm | 220 x 200 x 60 | | | | |