

904 BROADBAND AMPLIFIERS

5 INP.2 OUTP.UHF-UHF-UHF-BIII-BI/FM 40DB



Code : **9040034**

Model : **CF-512**

Description

Broadband head-end amplifier with several inputs and different band configurations. 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.

Applications

Designed to build large analogue and digital terrestrial MATV installations. 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. F type connectors in nickel-plated iron which gives a connection with minimum mismatching and maximum shielding. Input and output connectors in the lower part facilitate installation.

| CODE | | 9040033 | | | | | 9040034 | | | | |
|--------------------------|-----------------|--|-------|----------|--------|-------|---------|-------|-------|----------|--------|
| MODEL | | CF-511 | | | | | CF-512 | | | | |
| TV System | | AM-TV / DVB-T | | | | | | | | | |
| Connection | | F female | | | | | | | | | |
| Number of outputs | | 1+Test | | | | | | | | | |
| Number of inputs | | 5 | | | | | 5 | | | | |
| Frequency range | Band | UHF 1 | UHF 2 | BIII/DAB | FM | BI | UHF 1 | UHF 2 | UHF 3 | BIII/DAB | BI/FM |
| | MHz | 470-862 | | 160-260 | 88-108 | 47-68 | 470-862 | | | 160-260 | 47-108 |
| Gain | dB | 45 | | 40 | | | 45 | | | 40 | |
| Adjustable gain range | dB | 20 | | | | | | | | | |
| Flatness response | dB | ±2 | | | | | | | | | |
| Output test point | dB±TOL | -34 ±2 | | -30 ±1 | -25 ±1 | | -34 ±2 | | | -30 ±1 | -28 ±1 |
| Output level | dBµV | 115 DIN 45004B 112 (IMD3 - 60 dB) 105 (IMD2 - 60 dB) | | | | | | | | | |
| Return loss | dB | 10 | | | | | | | | | |
| Chroma - luminance delay | ns | <20 | | | | | | | | | |
| Noise figure | dB | 8 | | | | | 10 | | | 8 | |
| Output voltage | V _{DC} | 24 Auto | | | | | | | | | |
| | mA | 60 | | | | | | | | | |
| Mains voltage | V _~ | 230 ±10% 50/60 Hz | | | | | | | | | |
| | VA | 8 | | | | | | | | | |
| Operating temperature | °C | -20...+60 | | | | | | | | | |
| Protection index | | IP 50D | | | | | | | | | |
| Units per packaging | | 1 | | | | | | | | | |
| Packing weight | Kg | 1.8 | | | | | | | | | |
| Packing dimensions | mm | 220 x 200 x 60 | | | | | | | | | |