

904 BROADBAND AMPLIFIERS

AMP UHF-UHF-BIII/BI 2 OUTPUTS



Code : **9040014**

Model : **CA-310**

Description

Broadband head-end amplifiers with 3 inputs. Built on a compact chassis, they are capable of supplying signal to a large number of outlets. Two identical outputs in order to increase the number of outlets. Available on request in 125 or 240 V~.

Applications

Designed for analogue and digital terrestrial TV installations in medium-sized MATV networks or individual installations. They are used as the head-end amplifier of the installation. The two outputs facilitate star-shaped distribution from the head-end through the use of splitters.

Characteristics

Made from ABS plastic, with an internal zamak chassis of which provides maximum shielding. F type connectors which affords a connection with minimum mismatching and high shielding. Power supply unit insulated from the rest of the high frequency circuit, complying with all safety standards.

| CODE | | 9040060 | | | | 9040014 | | | |
|----------------------------------|------------|--|---------|----------------------|---------|--|---------|---------|---|
| MODEL | | CA-210 | | | | CA-310 | | | |
| TV System | | AM-TV / DVB-T | | | | | | | |
| Connection | | F female | | | | | | | |
| Number of outputs | | 2 | | | | 2+Test | | | |
| Number of inputs | | 1 | | | | 3 | | | |
| Frequency range | Banda | VHF | UHF | BI | FM | BIII | UHF 1 | UHF 2 | |
| | MHz | 40-400 | 470-862 | 40-70 | 88-108 | 160-260 | 470-862 | | |
| Gain | dB ±TOL | 24 ±1,0 | 25 ±1,5 | 35 ±1,0 | 25 ±1,0 | 35 ±1,0 | 42 ±2,0 | | |
| Flatness response | dB | ±1,2 | ±1,5 | ±1,5 ±0,25 (8MHz) | | | | | |
| Adjustable gain range | dB | 16 | 12 | 20 | | | 16 | | |
| Output test point | dB | - | | | | -30 ±0,5 | | | |
| Output level | dBµV | 102 DIN 45004B 99 (IMD3 -60 dB) 86 (IMD2 -60 dB) | | | | 2x110 DIN 45004B 2x107 (IMD3 -66 dB) 2x100 (IMD2 -60 dB) | | | |
| Isolation between inputs/outputs | dB | - | | | | 13 | | | |
| Output voltage | V--- | 24 Switchable | | | | - | | 24 Auto | - |
| | mA | 55 | | | | - | | 50 | - |
| Return loss | dB | 10 | | | | | | | |
| Chroma - luminance delay | ns | - | | | | <10 | | | |
| Noise figure | dB | <4,5 | <3,0 | 5±1,5 | | | | | |
| Mains voltage | V~ | 230±10% 50/60 Hz | | | | | | | |
| | VA | 7 | | | | | | | |
| Operating temperature | °C | -5..+60 | | | | -10..+65 | | | |
| Protection index | | IP 20 | | | | | | | |
| Units per packing | | 1 | | | | | | | |
| Packing weight | Kg | 0,38 | | | | 0,58 | | | |
| Packing dimensions | mm | 115 x 102 x 45 | | | | 160 x 100 x 50 | | | |