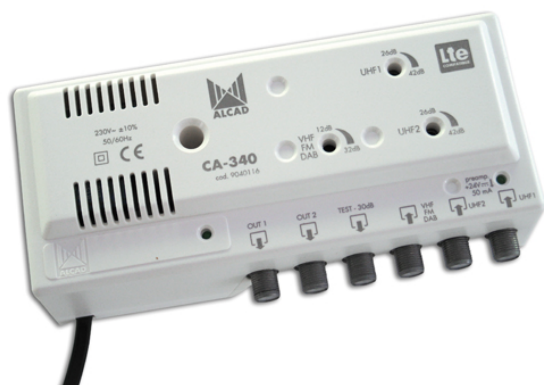


904 BROADBAND AMPLIFIERS

AMPLIFIER UHF-UHF-VHF/FM 2 OUTPUTS LTE



Code : **9040116**

Model : **CA-340**

Description

Broadband amplifiers for head-end, compatible with transmission of LTE mobile telephone signals. Includes a rejection filter for LTE800 signals. Equipped with three inputs to amplify and combine the signals coming from the antennas. Power supplied automatically to preamplifier. Available on request in 125 and 240 V~.

Applications

Medium-sized individual digital and analogue terrestrial TV installations which are affected by the transmission of LTE800 mobile telephone signals. It is used as the head-end amplifier of the installation. The two outputs facilitate star-shaped distributions 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. F-type connectors for screwing on or crimping.

| CODE | 9040116 | | | | | | 9040117 | | | | |
|---------------------------------------|---------------------------|--|---------|---------|---------|---------|---------|-----------------|---------|---------|---|
| MODEL | CA-340 | | | | | | CA-342 | | | | |
| TV System | AM-TV / DVB-T | | | | | | | | | | |
| Connection | F female | | | | | | | | | | |
| Number of outputs | 2 | | | | | | | | | | |
| Number of inputs | 3 | | | | | | 4 | | | | |
| Frequency range | Band | BI | FM | BIII | UHF1 | UHF2 | BI/FM | BIII | UHF1 | UHF2 | |
| | MHz | 47-70 | 88-108 | 160-260 | 470-790 | | 40-108 | 160-260 | 470-790 | | |
| Gain | dB + TOL | 35 ±1.0 | 25 ±1.0 | 35 ±1.0 | 45 ±2.0 | | 20 ±1.0 | 20 ±1.0 | 30 ±1.0 | | |
| Adjustable gain range | | 20 | | | 16 | | 20 | | 16 | | |
| Flatness response | dB | ±1.5 ±0.25(8MHz) | | | | | | ±1.5 | | ±0.25 | |
| Output level | dB μ V | 2 x 110 DIN 45004B 2 x 107 (IMD3 -60 dB) 2 x 100 (IMD2 -60 dB) | | | | | | | | | |
| Insolation between inputs/ outputs | dB | 13 | | | | | | | | | |
| Output voltage | V $\overline{\text{---}}$ | - | | | 24 Auto | - | | - | | 24 Auto | - |
| | mA | - | | | 50 | - | | - | | 50 | - |
| Return loss | dB | 10 | | | | | | | | | |
| Chroma - luminance delay | ns | <10 | | | | | | | | | |
| Noise figure | dB | 5.5±1.5 | | | | 6.5±1.5 | | | 5.5±1.5 | | |
| Mains voltage | V \sim | 230±10% 50/60 Hz | | | | | | | | | |
| | VA | 7 | | | | | | | | | |
| Operating temperature | °C | -10..+65 | | | | | | | | | |
| Protection index | | IP20 | | | | | | | | | |
| Units per packaging | | 1 | | | | | | 24 | | | |
| Packing weight | Kg | 0.58 | | | | | | 14.42 | | | |
| Packing dimensions | mm | 165 x 100 x 50 | | | | | | 385 x 370 x 205 | | | |