

904 BROADBAND AMPLIFIERS

INDOOR AMPL 2 OUTPUTS CATV (RP 65MHZ)



Code : **9040052**

Model : **AI-223**

Description

Broadband apartment amplifier for terrestrial TV, with built-in power supply unit. It amplifies the VHF, UHF and interband bands continuously and includes a return path. It has a gain control and two outputs for the distribution to two or more televisions.

Applications

Designed to enlarge analogue and digital terrestrial TV installations within a house. Especially appropriate as an apartment amplifier in cable TV networks or in community installations where the interband bands are used. It amplifies the TV signal so a new distribution can be made from the signal of one TV outlet or from the coaxial cable entering the house.

Characteristics

Made from ABS plastic, with an internal zamak chassis which gives maximum shielding. The power supply unit is insulated from the rest of the high frequency circuit. Fixed to the wall by means of the supplied screws and wall-plugs. F type connectors.

| CODE | | 9040051 | | | | 9040052 | | |
|-----------------------|--------|--|---------|-----|-----------|---------|-----|--|
| MODEL | | AI-221 | | | | AI-223 | | |
| Outputs | | 2 | | | | | | |
| Frequency range | Band | RP | VHF/UHF | | RP | VHF/UHF | | |
| | MHz | 0-30 | 47-862 | | 0-65 | 86-862 | | |
| Gain | dB±TOL | -5.5 ±0.5 | 25 ±1.5 | | -4.5 ±0.5 | 25 ±1.5 | | |
| Flatness response | dB | ±1.2 | ±1.5 | | ±0.5 | ±1.5 | | |
| Gain adjust | MHz | - | 47 | 862 | - | 86 | 862 | |
| | dB | - | 20 | 10 | - | 15 | 10 | |
| Output level | dBµV | 105 DIN 45004B 102 (IMD ₃ -60 dB) 90 (IMD ₂ -60 dB) 89 (CTB -60 dB) 84 (CTB -60 dB) 90 (CTB -60 dB) | | | | | | |
| Return loss | dB | ≥10 | | | | | | |
| Noise figure | dB | ≤6 | | | | | | |
| Mains voltage | V~ | 230 ±10% ⁽¹⁾ 50/60 Hz | | | | | | |
| | W | 5.5 | | | | | | |
| Operating temperature | °C | -10...+65 | | | | | | |
| Protection index | | IP 20 | | | | | | |
| Units per packing | | 1 | | | | | | |
| Packing weight | Kg | 0.4 | | | | | | |
| Packing dimensions | mm | 115 x 102 x 45 | | | | | | |