

# 904 BROADBAND AMPLIFIERS

## INDOOR AMP 2 OUTPUTS CATV RP 30 MHZ



Code : **9040130**

Model : **AI-231**

### 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 passive return path. It has a gain control, slope control and two outputs, one derived.

### Applications

Designed appropriate as an apartment amplifier in cable TV networks or in community installations where the interband bands and return path 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                          |              | 9040130   |              |
|-------------------------------|--------------|---|--------------|
| MODEL                         |              | AI-231  |              |
| Outputs                       |              | 2   |              |
| Frequency range               | Band         | Return  | VHF/BS/UHF   |
|                               | MHz          | 5-30  | 47-862       |
| Gain                          | dB $\pm$ TOL | -4.5 $\pm$ 0.5  | 28 $\pm$ 1.0 |
| Flatness response             | dB           | $\pm$ 0.5   | $\pm$ 1.5    |
| Gain adjust                   | dB           | -   | 13           |
| Adjustable equalization range | dB           | -   | 18           |
| Output level                  | dB $\mu$ V   | 110 DIN45004B<br>107 (IMD <sub>3</sub> - 60dB)<br>100 (IMD <sub>2</sub> - 60dB)<br>94 (CTB - 60dB)<br>95 (CSO - 60dB)<br>94 (XMOD - 60dB) |              |
| Return loss                   | dB           | 10  |              |
| Noise figure                  | dB           | 6 $\pm$ 1.0   |              |
| Mains voltage                 | V            | 230 $\pm$ 10% 50/60Hz   |              |
|                               | VA           | 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  |              |