

905 MODULAR AMPLIFICATION EQUIPMENT

SINGLE CHANNEL ADJACENT AMP. UHF, G=52DB



Code : **9050022**

Model : **ZG-431**

Description

Monochannel amplifier for the UHF band designed to work with adjacent channels. It has a high gain and output level. The channel should be specified in the order.

Applications

Large, digital and analogue terrestrial MATV installations where adjacent analogue or digital channels exist. The different channels can be treated independently with this module, which results in a perfect equalisation of all the received channels.

Characteristics

Each module consists of a three-stage input filter, an amplifier and an output filter which is three-stage, the filters are cavities. Filters remain highly stable with variations in temperature. Attenuator using an active MOSMIC regulator reduces the noise figure. 30dB multiturn attenuator. Switch to supply power to preamplifiers with protection against short circuits.

| CODE | | 9050022 | |
|--|-----------------|--|-----------------|
| MODEL | | ZG-431 | |
| TV system | | AM-TV / DVB-T/T2 / ISDB-T | |
| Connection | | F female | |
| Number of channels | | 1 | |
| Frequency range | Band | UHF | |
| | MHz | 470-862 | |
| Gain | dB±TOL | 52±3,0 | |
| Adjustable gain range | dB | 30 | |
| Maximum output level | dBµV | 123 DIN 45004K 123 (IMD ₃ -54 dB) AM-TV 118 (IMD ₃ -35 dB) DVB-T | |
| Selectivity | dB | ① Cn - Cn±1 | 20 |
| | | ② Cn - Cn±2 | 65 |
| | | ④ fc - fc ±4MHz | 6 |
| | | ⑤ fc - fc ±12MHz | 60 |
| Return loss | dB | ≥ 10 | |
| Output voltage | V _{DC} | +24 | |
| | mA | 33 | |
| Power supply | V _{DC} | +24 | |
| | mA | 80 | |
| Operating temperature close to equipment | °C | -10..+65 | |
| Room temperature with/without fan | °C | -10..+55/+45 | |
| Protection index | | IP 20 | |
| Units per packing | | 1 | 40 |
| Packing weigh | Kg | 0.51 | 21.0 |
| Packing dimensions | mm | 200 x 80 x 40 | 375 x 375 x 225 |