

905 MODULAR AMPLIFICATION EQUIPMENT

BII(FM) BROADBAND AMPLIFIER, G=53 DB

Code : **9050035**

Model : **ZG-211**

Description

Analogue FM and DAB radio broadband amplifier which amplifies the entire FM or DAB radio band. Amplifies the whole FM or DAB radio band. High gain and output level. The ZG-611 amplifier amplifies the DAB digital radio by groups of channels (which should be specified when ordering). The FM amplifier is also available for OIRT frequencies (when ordering model ZG-611, please specify FM OIRT if required).

Applications

MATV installations that include FM or DAB radio distribution.

Characteristics

This module is compatible with other equipment for TV in the 905- ZG range. It allows distribution of FM and DAB radio and of television signals to be combined using a single piece of equipment. Attenuator by means of active MOSMIC regulator to reduce the noise figure. 30dB multiturn attenuator. Switch to supply power to preamplifiers with protection against short circuits.



| CODE | | 9050106 | 9050074 | 9050035 | 9050074 |
|---|--------------|---|--------------|-----------------|---------|
| MODEL | | ZG-212 | ZG-611 | ZG-211 | ZG-611 |
| Radio System | | DAB-R | | FM-R | |
| Connection | | F female | | | |
| Band width | MHz | 37 | 6 - 12 | 20,5 | 8 |
| Frequency range | Band | DAB-T 8A-13A | DAB-T 5A-13F | FM | FM OIRT |
| | MHz | 195-232 | 174-240 | 87.5-108.0 | 66-74 |
| Gain | dB \pm TOL | 53 \pm 3,0 | 52 \pm 3,0 | | |
| Adjustable gain range | dB | 30 | | | |
| Maximum output level | dB μ V | 2x109.0 DIN 45004K 2x118.5 (IMD ₃ - 35dB) DVB-T | | | |
| Noise figure | dB | 9 \pm 2,0 | | 4,5 \pm 2,0 | |
| Return loss | dB | \geq 10 | | | |
| Output voltage | V \dots | +24 | | | |
| | mA | 33 | | | |
| Power supply | V \dots | +24 | | | |
| | mA | 80 | | | |
| Operating temperature close to quipment | $^{\circ}$ C | -10..+65 | | | |
| Room temperature with/without fan | $^{\circ}$ C | -10..+55/+45 | | | |
| Protection index | | IP 20 | | | |
| Units per packaging | | 1 | | 40 | |
| Packing weight | Kg | 0.38 | | 15.9 | |
| Packing dimensions | mm | 196 x 76 x 32 | | 385 x 385 x 225 | |

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB

IMD₃ -60 dB: 3 unequal carriers, EN 50083-5

IMD₃ -35 dB: 2 equal carriers

Gain and noise figure after applying gain reduction by diplexing.