905 MODULAR AMPLIFICATION EQUIPMENT

RADIO AMPLIFIER DAB, G= 50 DB



Code : **9050106**

Model : **ZG-212**

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±TOL	53 ±3,0	52 ±3,0		
Adjustable gain range	dB	30			
Maximun output level	dBµV	2x109.0 DIN 45004K 2x118.5 (IMD_3 - 35dB) DVB-T			
Noise figure	dB	9 ±2,0		4,5 ±2,0	
Return loss	dB	≥ 10			
Output voltage	V⎓	+24			
	mA	33			
Power supply	V⎓	+24			
	mA	80			
Operating temperature close to quipment	ºC	-10..+65			
Room temperature with/ without fan	ºC	-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, IMD_3 at 60 dB
IMD_3 -60 dB: 3 unequal carriers, EN 50083-5
IMD_3 -35 dB: 2 equal carriers

Gain and noise figure after applying gain reduction by diplexing.