905 MODULAR AMPLIFICATION EQUIPMENT

FOUR CHANNEL AMPLIFIER UHF, G=53 DB



Code : **9050026**

Model : **ZG-414**

Description

Multichannel amplifier for the UHF band designed to work with a group of adjacent channels. Each module permits the amplification and equalisation of two to four channels. The level of the group of channels can be adjusted but not each channel independently. High gain and output level. The initial channel of the group should be specified in the order.

Applications

Large digital and analogue terrestrial MATV installations where adjacent analogue or digital channels exist. Recommended for use in areas of reception where the relation in levels between analogue and digital channels is constant. Normally used to amplify one analogue channel along with several digital 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				9050023	9050024	9050026
MODEL				ZG-412	ZG-413	ZG-414
TV system				AM-TV / DVB-T		
Connection				F female		
Number of channels				2	3	4
Frecuency range	Band			UHF		
	MHz			470-862		
Gain	dB±TOL			53±3.0		
Adjustable gain range	dB			30		
Maximun outpul level	dBµV			2x 123.5 DIN 45004K 2x 109.0 DIN 45004B 2x 106.0 (IMD_3 -66 dB) AM-TV 2x 118.5 (IMD_3 -35 dB) DVB-T		
Selectivity ②	dB	Cn - Cn±2		27	21	18
③		Cn - Cn±3		43	35	31
⑤		fc - fc±12MHz		25	19	16
Return loss	dB			≥10		
Output voltage	V⎓			+24		
	mA			33		
Power supply	V⎓			+24		
	mA			80		
Operating temperature close to equipement	°C			-10..+65		
Room temperature with/without fan	°C			-10..+55/+45		
Protection index				IP 20		
Units per packing				1	40	
Packing weight	Kg			0.51	21.0	
Packing dimensions	mm			200 x 80 x 40	375 x 375 x 225	