905 MODULAR AMPLIFICATION EQUIPMENT

THREE CHANNEL AMPLIFIER UHF, G=53 DB

Code : **9050024**

Model : **ZG-413**

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		$53_{\pm 3.0}$		
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	