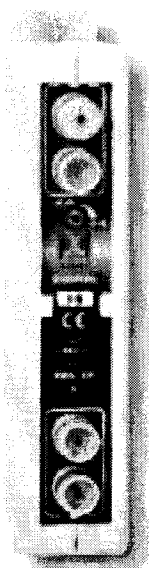




905-ZP AMPLIFICATION EQUIPMENT

Monochannel amplifiers

905



Description

Monochannel amplifier designed to work with non-adjacent channels. The different modules cover the I, III, UHF and interband bands. Supplied for all the standards and tables of channels. The channel should be specified in the order.

Applications

Medium-sized and large digital and analogue terrestrial MATV installations. The modules cover all the terrestrial reception signals and the interbands for channels generated locally from SAT, DVD, videos or security cameras.

Characteristics

Each module consists of 3 input filters, amplifier and 2 output filters, which are cavities, for high frequencies. There is an attenuator between stages to reduce the noise figure. Supplied with the multiplexing bridge and power cable.

CODE		9050042				9050067	
MODEL		ZP-601				ZP-401	
TV system		AM-TV / DVB-T					
Connection		IEC female 9,5 mm Ø					
Number of channels		1					
Frequency range	Band	BI	BIII	Interbands	UHF		
	MHz	40-70	160-230	68-175 230-470	470-862		
Gain	dB±TOL	40 ±3,0					
Adjustable gain range	dB	20					
Gain loss with splitting	dB	3	3,5				
Maximum output level	dBpV	2x115,5 DIN 45004K 2x115,5 (IMD ₃ -54 dB) AM-TV 2x110,5 (IMD ₃ -35 dB) DVB-T					
Selectivity	dB	C _n - C _{n±2}	34	30	28	37	
		C _n - C _{n±3}	50	45	42	60	
		f _c - f _c ±12 MHz	30	27	25	36	
Noise figure	dB	5	6	7			
Return loss	dB	≥10					
Power supply	V _{cc}	+24					
	mA	45					
Operating temperature	°C	-10...+65					
Protection index		IP 20					
Units per packing		1	40	40	1		
Packing weight	Kg	0,39	16,3	17,5	0,42		
Packing dimensions	mm	196 x 76 x 32	385 x 385 x 225	385 x 385 x 225	196 x 76 x 32		

DIN 45004K: 3 unequal carriers, IMD₃ at 54 dB

IMD₃ -54 dB: 3 unequal carriers, EN 50083-5

IMD₃ -35 dB: 2 unequal carriers, EN 50083-5

C_n - C_{n±2}: C_{Vn} - C_{AN-2} or C_{AN} - C_{Vn+2}

C_n - C_{n±3}: C_{Vn} - C_{AN-3} or C_{AN} - C_{Vn+3}