



PA-320

Description

Broadband amplifier for the terrestrial TV filters and processors of the equipment, for analogue FM radio and digital DAB. Has built-in programming and control system for the channel filtering and processing modules. It has one input to amplify the signal coming from all the terrestrial TV modules of the equipment, plus two inputs for BIII/DAB and FM. Adjustable output level by means of an attenuator.

Applications

Required in all the MATV installations where any filter or process modules, of 905-ZA series, are used.

Characteristics

High output level amplifier. Bidirectional communication by means of the infrared universal programmer.

CODE	9050129			
MODEL	PA-320			
TV System	FM-R / DAB-T / AM-TV / DVB-T			
Number of inputs	3			
Frequency range	Band	FM	BIII / DAB-T	VHF / UHF
	MHz	87.5 - 108	170 - 230	174 - 862
Gain	dB μ V \pm TOL	28 \pm 2,0	36 \pm 2,0	43 \pm 2,0
Gain adjustment	20			20
Input level	dB μ V	65 .. 85	50 .. 70	52 .. 92
Output level	dB μ V	117 DIN45004B 114 (IMD ₃ - 60dB) 117 (IMD ₂ - 60dB) 101 (CTB - 60dB) 101 (CSO - 60dB) 101 (XMOD - 60dB)		
Noise figure	dB	13 typ.	10 \pm 2,0	5 \pm 1,0

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905 MODULAR AND PROGRAMMABLE AMPLIFIER EQUIPMENT 905-ZA

Broadband amplifier



PA-320

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CODE		9050129	
MODEL		PA-320	
Return loss	dB	> 14-1.5 / Octave >10	
Chroma-luminance delay	ns	<10	
Connectors		F female	
Power supply	V \pm	+5.7	+24
	mA	100	250
Operating temperature close to equipment	°C	-10..+65	
Room temperature with/without fan	°C	-10..+55/+45	
Protection index		IP 20	
Units per packaging		1	
Packing weight	Kg	0,49	
Packing dimensions	mm	196 x 76 x 32	

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB
 IMD₃ -60 dB: 2 equal carriers, EN 50083-3
 IMD₂ -60 dB: 2 equal carriers, EN 50083-3

CTB -60 dB: 42 equal carriers, EN 50083-3
 CSO -60 dB: 42 equal carriers, EN 50083-3
 XMOD -60 dB: 42 equal carriers, EN 50083-3