

904 APARTMENT AMPLIFIERS



Indoor amplifiers with interbands



Description

Broadband apartment amplifier for terrestrial TV, with built-in power supply unit. It amplifies the VHF/ UHF bands and has an equalization and gain control. It includes two outputs to make the distribution to two or more televisions. The outputs are unbalanced.

Applications

Designed to enlarge analogue and digital terrestrial TV installations within an apartment or house. It amplifies the TV signal so a distribution with several new outlets can be made from the signal of one TV outlet or from the coaxial cable entering the house. The levels are easily adjusted by means of the gain and equalization controls.

Characteristics

Made from ABS plastic, with an internal zamak chassis which gives maximum shielding. The power supply unit is insulated from the rest of the high frequency circuit, complying with the safety regulations for the installer and the user. Fixed to the wall by means of the supplied screws and wall-plugs. F type connectors.

Ω

CODE	9040056		
MODEL	AI-131		
Outputs		1	
Frequency range	Band	RP	VHF/UHF
	MHz	5-30	47-862
Gain	dB±TOL	-2.5 ±0,5	24 ±1,0 OUT 1 10 ±1,0 OUT 2
Flatness response	dB	±1,2	±1,5
Gain adjust	dB	-	13
Adjustable equalization range	dB	-	20
Output level	dBµV	113/99 DIN 45004B 110/96 (IMD ₃ - 60 dB) 100/85 (IMD ₂ - 60 dB) 97/83 (CTB - 60 dB) 95/80 (CSO - 60 dB) 97/83 (XMOD - 60 dB)	
Return loss	dB	10	
Noise figure	dB	6 ±1,0	
Mains voltage	V~	230 ±10% ⁽¹⁾ 50/60 Hz	
	VA	5.5	
Operating temperature	°C	-10..+65	
Protection index		IP 20	
Units per packing		1	
Packing weight	Kg	0.4	
Packing dimensions	mm	115 x 102 x 45	

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