

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 and interband bands continuously and includes a return path. It has a gain control and two outputs for the distribution to two or more televisions.

Applications

Designed to enlarge analogue and digital terrestrial TV installations within a house. Especially appropriate as an apartment amplifier in cable TV networks or in community installations where the interband bands are used. It amplifies the TV signal so a new distribution can be made from the signal of one TV outlet or from the coaxial cable entering the house.

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. Fixed to the wall by means of the supplied screws and wall-plugs. F type connectors.

Accessories

- 9120039 CM-004 Male F type connector for Ø6.6 mm coaxial.
- 9080023 MC-302 Male F connector to screw onto RG-6 coaxial, Ø7.0 mm.
- 9120011 RS-275 F load 75 Ω.
- 9060036 FI-243 F connector 2 output splitter.
- 9070043 BM-100 Outlet for cable networks.

CODE	9040051				9040052			
MODEL	AI-221				AI-223			
Outputs					2			
Frequency range	Band	RP	VHF/UHF		RP	VHF/UHF		
	MHz	0-30	47-862		0-65	86-862		
Gain	dB±TOL	-5.5 ±0,5	25 ±1,5		-4.5 ±0,5	25 ±1,5		
Flatness response	dB	±1,2	±1,5		±0,5	±1,5		
Gain adjust	MHz	-	47	862	-	86	862	
	dB	-	20	10	-	15	10	
Output level	dBµV	105 (DIN 45004B) 102 (IMD ₃ - 60 dB) 90 (IMD ₂ - 60 dB) 89 (CTB - 60 dB) 84 (CTB - 60 dB) 90 (CTB - 60 dB)						
Return loss	dB	10						
Noise figure	dB	6						
Mains voltage	V~	230 ±10% ⁽¹⁾ 50/60 Hz						
	VA	5.5						
Operating temperature	°C	-5..+60						
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