904 BROADBAND AMPLIFIERS

INDOOR AMPLIFIER 1+1 OUTPUTS



Code : **9040053**

Model : **AI-100**

Description

Broadband apartment amplifier for terrestrial TV, with built-in power supply unit. It amplifies the VHF and UHF bands separately and has an independent gain control for each band. It includes two outputs to make the distribution to two or more televisions. The outputs are equal or 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 two gain 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 screwsand wall-plugs. F type connectors.

CODE		9040050		9040053	
MODEL		AI-200		AI-100	
Outputs		2			
Frequency range	Band	VHF	UHF	VHF	UHF
	MHz	40-318	470-862	40-318	470-862
Gain	dB±TOL	14 ±1.0	24 ±1.5	14 ±1.0 OUT 1 3 ±1.0 OUT 2	24 ±1.5 OUT 1 13 ±1.5 OUT 2
Flatness response	dB	±1.0	±1.2	±1.0	±1.2
Gain adjust	dB	16	12	16	12
Output level	dBµV	102 DIN 45004B 99 (IMD_3 -60 dB) 88 (IMD_2 -60 dB) 86 (CTB -60 dB) 82 (CSO -60 dB) 89 (XMOD -60 dB)		104/91 DIN 45004B 101/88 (IMD_3 -60 dB) 90/77 (IMD_2 -60 dB) 88/75 (CTB -60 dB) 90/69 (CSO -60 dB) 92/77 (XMOD -60 dB)	
Return loss	dB	≥10			
Noise figure	dB	<4.5	<3.0	<4.5	<3.5
Mains voltage	V~	230 ±10%[1] 50/60 Hz			
	W	7			
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			