904 BROADBAND AMPLIFIERS

INDOOR AMP TV+IF 4 OUTPUTS DC PATH



Code : **9040075**

Model : **AI-414**

Description

Broadband apartment amplifier for terrestrial and satellite TV for installation with multiswitches, with 4 inputs and built-in powern supply unit. It amplifies the terrestrial TV and IF satellite bands separately. It has an independent gain control for each band and a fixed slope on the FI band.

Applications

Designed to enlarge analogue and digital terrestrial and satellite TV installations within an apartment or house. It amplifies the terrestrial and satellite TV signals from the output of the multiswitch so a distribution with TV-SAT outlets can be made. The levels are easily adjusted by means of the two built-in 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. Fixed to the wall by means of the supplied screws and wall-plugs. F type connectors.

CODE		9040075	
MODEL		AI-414	
Outputs		4	
Frequency range	Band	TV	SAT
	MHz	40-862	950-2,150
Gain	dB±TOL	12 ±1.0	25 ±1.5
Flatness response	dB	±1.0	±3.0
Gain adjust	dB	15	12
Fixed equalization	dB	-	10
Output level	dBµV	91 DIN 45004B 88 (IMD_3 -60 dB) 70 (IMD_2 -60 dB) 75 (CTB -60 dB) 65 (CSO -60 dB) 74 (XMOD -60 dB)	108 (IMD_3 -35 dB) 81 (IMD_2 -35 dB)
Isolation between outputs	dB	≥13	≥9
Return loss	dB	≥10	
Chroma - luminance delay	ns	<20	
Noise figure	dB	≤6	≤7.5
DC path	V⎓	14/18	
	mA	400	
	Tone	22 KHz/DiSEqC	
Mains voltage	V~	230 ±10%[1] 50/60 Hz	
	W	6.5	
Operating temperature	°C	-5..+60	
Protection index		IP 20	
Units per packing		1	
Packing weight	Kg	0.58	
Packing dimensions	mm	165 x 100 x 50	