904 BROADBAND AMPLIFIERS

BROADBAND AMPLIFIER TV+IF 4 OUT (24 VDC)



Code : **9040073**

Model : **CA-220**

Description

TV and SAT broadband head-end amplifier. They independently amplify the terrestrial TV and satellite IF bands, distribute both bands through their four outputs continuously. The built-in power supply unit can automatically feed a preamplifier. The LNB is fed from the SAT receiver, through the amplifier.

Applications

Designed for use in individual, analogue and digital, terrestrial and satellite TV installations, with several TV outlets. Used as a single piece of equipment to treat all terrestrial and satellite TV signals, greatly simplifying the installation. An individual satellite receiver can be connected to any of the outlets of the building.

Characteristics

Made from ABS plastic with an internal chassis of zamak giving maximum shielding. F type connectors in nickel-plated iron which affords a connection of minimum mismatching and maximum shielding. The power supply unit is insulated from the rest of the high frequency circuit, complying with safety standards for both the installer and the user.

CODE		9040073	
MODEL		CA-220	
TV System		AM-TV/DVB-T/DVB-S	
Connection		F female	
Number of outputs		4	
Number of inputs		2	
Frequency range	Band	TV	SAT
	MHz	47-862	950-2.150
Gain	dB ±TOL	22 ±1.0	25 ±2.0
Flatness response	dB	±1.5	±2.5
Adjustable gain range	dB	16	13
Fixed equalization	dB	3	8
Output level	dBµV	4x 107 DIN 45004B 4x 104 (IMD_3 -60 dB) 4x 88 (IMD_2 -60 dB)	4x 107 (IMD_3 -35 dB) 4x 91 (IMD_3 -35 dB)
Isolation between outputs	dBµV	≥13 (47-862 MHz) ≥9 (950-2,150 MHz)	
Return loss	dB	≥10 (47-862 MHz) ≥10 (950-1,750 MHz) ≥8.7 (1,750-2,150 MHz)	
Chroma - luminance delay	ns	<1.3	
Noise figure		<6	<7
Output voltage	V⎓	24	-
	mA	60	-
DC path	mA	-	400
Path 22 KHz/DiSEqC		-	Yes
Mains voltage	V~	230±10% 50/60 Hz	
	VA	7	
Operating temperature	°C	-10..+60	
Protection index		IP20	
Units per packing		1	
Packing weight	Kg	0.58	
Packing dimensions	mm	160 x 100 x 50	