904 BROADBAND AMPLIFIERS

AMP TV-SAT, IF-3XUHF-BIII/DAB-BI/FM



Code : **9040102**

Model : **CA-620**

Description
TV-SAT Broadband head-end amplifier with several inputs. They independently amplify the terrestrial TV and satellite IF bands, distribute both bands through the output. Has two outputs, one with both terrestrial and satellite TV amplified, the other with the terrestrial TV amplified but with the satellite signal from the SAT2 multiplexing input unamplified. It has a voltage switch and 22 KHz tone in order to select the polarity of an individual LNB. The built-in power supply unit can feed up to five preamplifiers and a LNB automatically.

Applications
Designed for medium to large analogue and digital SMATV installations. Used as a single piece of equipment to treat all terrestrial and satellite TV signals, greatly simplifying the installation. To amplify the second satellite polarity, it is necessary to add an external SAT amplifier.

Characteristics
Made from zamak and galvanised plate for maximum shielding. Separate housings for the power supply unit and the high frequency circuit. F-type connectors, located on the lower part to make installation easier.

CODE		9040102					
MODEL		CA-620					
TV System		AM-TV / DVB-T / FM-TV / DVB-S					
Connection		F female					
Number of outputs		2					
	Band	TV+SAT			TV		
Number of inputs		6					
Frequency range	Band	BIII/DAB	BI/FM	UHF 1	UHF 2	UHF 3	SAT
	MHz	47-108	160-254	470-862			950-2150
Gain	dB + TOL	37 ±2.0		47 ±2.0			45 ±2.0
Adjustable gain range	dB	20					
Flatness response	dB	±2.0					±3.0 ±1.5 (36 MHz)
Fixed equalization	dB	-					5
Adjustable equalization range	dB	-					7
Output level	dBµV	118 DIN 45004B 115 (IMD_3 -60 dB) 108 (IMD_2 -60 dB)					120 (IMD_3 -35 dB) 110 (IMD_2 -35 dB)
Return loss	dB	≥14					
Chroma - luminance delay	ns	<20					
Noise figure	dB	<10		<9			<10
Output voltage	V⎓	24 Auto					-
	mA	60					-
LNB power supply	V⎓ mA Tone	-					+13/+18 350 max 0/22 KHz
Fuse	V~	250					
	A	1.6					
Mains voltage	V~	230±10% 50/60 Hz					
	VA	32					
Operating temperature	°C	-10..+65					
Protection index		IP50D					
Units per packing		1					
Packing weight	Kg	1.8					
Packing dimensions	mm	220 x 200 x 60					