904 BROADBAND AMPLIFIERS

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

Code : **9040077**

Model : **CA-720**

Description

TV-SAT broadband head-end amplifier with several inputs. They independently amplify the terrestrial TV and satellite IF bands and distribute both bands through the output. 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. Adjusted by means of a gain controller for each terrestrial/SAT input and a variable slope control for SAT.

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		9040077					
MODEL		CA-720					
TV System		AM-TV / DVB-T / FM-TV / DVB-S					
Connection		F female					
Number of outputs		1					
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	41 ±2.0		51 ±2.0			42 ±2.0
Adjustable gain range	dB	20					
Flatness response	dB	±2.0					±3.0 ±1.5 (36 MHz)
Fixed equalization	dB	-					6
Adjustable equalization range	dB	-					7
Output level	dBµV	122 DIN 45004B 119 (IMD_3 -60 dB) 112 (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 (Total max 180 mA)					-
LNB power supply	V⎓ mA Tone	-					+13/+18 350 max 0/22 KHz
Fuse	V~	250					
	A	1.6					
Mains voltage	V~	90-264 50/60 Hz					
	W	22					
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					