

904 MULTIBAND AMPLIFIERS

Configurable head-end amplifiers



CF-513



CA-510

Description

Broadband head-end amplifier with five inputs. They have three UHF inputs which can be configured on request by adding low pass filters, high pass, band pass, monochannel, band rejection and channel rejection. The filters are installed during the factory manufacturing process and cannot be readjusted by the user.

Applications

Designed for use in large, digital and analogue terrestrial MATV installations which require an amplifier adapted to the specific needs of the area. The interference from undesired channels can be avoided through the use of the built-in filters. The type of filter and the initial and final channels should be specified in the order.

Characteristics

Made from zamak and galvanised steel plate to obtain maximum shielding. Independent housings for the power supply unit and the high frequency circuit. F type connectors in nickel-plated iron which affords a connection of minimum mismatching and maximum shielding. Input and output connectors in the lower part facilitate installation.

Accessories

- 9120039 CM-004 Male F connector for Ø6.6 mm coaxial cable.
- 9080023 MC-302 Male F connector for RG-6 coaxial cable, Ø7.0 mm.
- 9080030 MC-304 Male compression F connector for RG-6 coaxial, Ø7.0 mm.

CODE	9040006					9040035					
MODEL	CA-510					CF-513					
TV System	AM-TV / DVB-T										
Connection	F female										
Number of outputs	1+Test										
Number of inputs	5					5					
Frequency range	Band	UHF 1	UHF 2	UHF 3	BIII	BI/FM	UHF 1	UHF 2	UHF 3	BIII	BI/FM
	MHz	470-862			175-230	47-108	470-862			175-230	47-108
Gain	dB±TOL	33 ±2.0			30 ±1.0		45			40	
Adjustable gain range	dB	20									
Flatness response	dB	±2									
Output test point	dB	-34 ±2					-30 ±1			-28 ±1	
Output level	dBµV	115 DIN 45004B 112 (IMD ₃ - 60 dB) 105 (IMD ₂ - 60 dB)									
Return loss	dB	10									
Chroma - luminance delay	ns	<20									
Noise figure	dB	≤10			≤8		≤10			≤8	
Output voltage	V _{DC}	12 Auto					24 Auto				
	mA	60									
Mains voltage	V _~	230 ±15% 50/60 Hz									
	VA	8									
Operating temperature	°C	-20..+60									
Protection index		IP 50D									
Units per packaging		1									
Packing weight	Kg	1.8									
Packing dimensions	mm	220 x 200 x 60									

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB
 IMD₃ -60 dB: 2 equal carriers, EN 50083-3
 IMD₂ -60 dB: 2 equal carriers, EN 50083-3