



Description

Broadband head-end amplifier with multiple inputs and different band configurations. The built-in power supply unit can feed up to five preamplifiers automatically. Output test-point to adjust the installation without having to disconnect the TV signal.

Applications

Designed to build large analogue and digital terrestrial MATV installations. Suitable for installations where the channels of each band are received at similar levels. Adjustment by means of regulators which control the gain at each input.

Characteristics

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

CODE	9040033					
MODEL	CF-511					
TV System	AM-TV / DVB-T					
Connection	F female					
Number of outputs	1+Test					
Number of inputs	5					
Frequency range	Band	UHF 1	UHF 2	BIII/DAB	FM	BI
	MHz	470-862		160-260	88-108	47-68
Gain	dB	45		40		
Adjustable gain range	dB	20				
Flatness response	dB	±2				
Output test point	dB±TOL	-34 ±2		-30 ±1	-25 ±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	8		10	8	
Output voltage	V _{DC}	24 Auto				
	mA	60				
Mains voltage	V _~	230 ±10% 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