



### 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	9040039				
MODEL	CA-312				
TV System	AM-TV / DVB-T				
Connection	F female				
Number of outputs	2				
Number of inputs	4				
Frequency range	Band	BI / FM	BIII	UHF 1	UHF 2
	MHz	40-108	160-260	470-862	
Gain	dB±TOL	20 ±1,0	20 ±1,0	30 ±1,0	
Flatness response	dB	±1.5		±0.25	
Adjustable gain range	dB	20		16	
Output level	dBµV	2x 110 DIN 45004B 2x 107 (IMD <sub>3</sub> - 66 dB) 2x 100 (IMD <sub>2</sub> - 60 dB)			
Isolation between inputs/outputs	db	13			
Output voltage	V <sub>DC</sub>	-		24 Auto	-
	mA	50			
Return loss	dB	10			
Chroma - luminance delay		<10			
Noise figure	dB	6.5 ±1,5		5.5 ±1,5	
Mains voltage	V <sub>~</sub>	230 ±10% 50/60 Hz			
	VA	7			
Operating temperature	°C	-10..+65			
Protection index		IP 20			
Units per packaging		1			
Packing weight	Kg	0.58			
Packing dimensions	mm	160 x 100 x 50			

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB  
 IMD<sub>3</sub> - 60 dB: 2 equal carriers, EN 50083-3  
 IMD<sub>2</sub> - 60 dB: 2 equal carriers, EN 50083-3