904 BROADBAND AMPLIFIERS

AMPLIFIER UHF-UHF-BIII-BI/FM 2 OUT



Code : **9040039**

Model : **CA-312**

Description
Broadband head-end amplifiers with 4 inputs. Built on a compact chassis, they are capable of supplying a signal to a large number of outlets. Two identical outputs in order to increase the number of outlets. Available on request in 125 or 240 V~.

Applications
Designed for analogue and digital terrestrial TV installations in medium-sized MATV networks or individual installations. They are used as the head-end amplifier of the installation. The two outputs facilitate star-shaped distribution from the head-end through the use of splitters.

Characteristics
Made from ABS plastic, with an internal zamak chassis of which provides maximum shielding. F type connectors which affords a connection with minimum mismatching and high shielding. Power supply unit insulated from the rest of the high frequency circuit, complying with all safety standards.

CODE		9040039				9040058				
MODEL		CA-312				CA-313				
TV System		AM-TV / DVB-T								
Connection		F female								
Number of outputs		2				1				
Number of inputs		4				5				
Frequency range	Band	BI/FM	BIII	UHF 1	UHF 2	BI	BIII	BIV	BV	UHF
	MHz	40-108	160-260	470-862		40-88	160-260	470-590	614-862	470-862
Gain	dB ±TOL	20 ±1,0	20 ±1,0	30 ±1,0		25 ±1,5		34 ±1,5		
Flatness response	dB	±1,5		±0,25		±1,5 ±0,25 (8MHz)				
Adjustable gain range	dB	20		16		20		16		
Output level	dBµV	2x 110 DIN 45004B 2x 107 (IMD3 -66 dB) 2x 100 (IMD2 -60 dB)				2x 114 DIN 45004B 2x 111 (IMD3 -66 dB) 2x 104 (IMD2 -60 dB)				
Isolation between inputs/outputs	dB	≥13				-				
Output voltage	V⎓	-		24 Auto	-	-		12 Auto		
	mA	50								
Return loss	dB	≥10								
Chroma - luminance delay	ns	<10								
Noise figure	dB	6,5±1,5		5,5±1,5		6,5±1,5		5,5±1,5		
Mains voltage	V~	230±10% 50/60 Hz				230±15% 50/60 Hz				
	VA	7				6				
Operating temperature	°C	-10..+65								
Protection index		IP 20								
Units per packing		1								
Packing weight	Kg	0,58								
Packing dimensions	mm	160 x 100 x 50								