

# 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		±0,25 <sup>±1,5</sup> (8MHz)					
Adjustable gain range	dB	20		16		20		16			
Output level	dB $\mu$ V	2x 110 DIN 45004B 2x 107 (IMD <sub>3</sub> -66 dB) 2x 100 (IMD <sub>2</sub> -60 dB)					2x 114 DIN 45004B 2x 111 (IMD <sub>3</sub> -66 dB) 2x 104 (IMD <sub>2</sub> -60 dB)				
Isolation between inputs/outputs	dB	≥13					-				
Output voltage	V $\overline{\text{--}}$	-	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 $\sim$	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									