

# 904 BROADBAND AMPLIFIERS

## AMP UHF-UHF-BIII/BI 2 OUTPUTS



Code : **9040014**

Model : **CA-310**

### Description

Broadband head-end amplifiers with 3 inputs. Built on a compact chassis, they are capable of supplying 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		9040060			9040014			
MODEL		CA-210			CA-310			
TV System		AM-TV / DVB-T						
Connection		F female						
Number of outputs		2			2+Test			
Number of inputs		1			3			
Frequency range	Banda	VHF	UHF	BI	FM	BIII	UHF 1	UHF 2
	MHz	40-400	470-862	40-70	88-108	160-260	470-862	
Gain	dB ±TOL	24 ±1,0	25 ±1,5	35 ±1,0	25 ±1,0	35 ±1,0	42 ±2,0	
Flatness response	dB	±1,2	±1,5	±1,5 ±0,25 (8MHz)				
Adjustable gain range	dB	16	12	20			16	
Output test point	dB	-			-30 ±0,5			
Output level	dB $\mu$ V	102 DIN 45004B 99 (IMD <sub>3</sub> -60 dB) 86 (IMD <sub>2</sub> -60 dB)			2x110 DIN 45004B 2x107 (IMD <sub>3</sub> -66 dB) 2x100 (IMD <sub>2</sub> -60 dB)			
Isolation between inputs/outputs	dB	-			13			
Output voltage	V $\text{---}$	24 Switchable			-		24 Auto	-
	mA	55			-		50	-
Return loss	dB	10						
Chroma - luminance delay	ns	-			<10			
Noise figure	dB	<4,5	<3,0	5±1,5				
Mains voltage	V $\sim$	230±10% 50/60 Hz						
	VA	7						
Operating temperature	°C	-5..+60			-10..+65			
Protection index		IP 20						
Units per packing		1						
Packing weight	Kg	0,38			0,58			
Packing dimensions	mm	115 x 102 x 45			160 x 100 x 50			