

# 904 BROADBAND AMPLIFIERS

## AMPLIFIER 2 OUTPUTS 24 VDC



Code : **9040060**

Model : **CA-210**

### Description

Broadband head-end amplifiers with several inputs. Built on a compact chassis, they are capable of supplying a signal to a large number of outlets. Some of the models have 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 models 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				9040011			
MODEL	CA-210		CA-310				CA-311			
TV System	AM-TV / DVB-T									
Connection	F female									
Number of outputs	2		2+Test				2			
Number of inputs	1		3				2			
Frequency range	Band	VHF	UHF	BI	FM	BIII	UHF 1	UHF 2	VHF/FM	UHF
	MHz	40-400	470-862	40-70	88-108	160-260	470-862		40-260	470-862
Gain	dB ±TOL	24 ±1.0	25 ±1.5	35 ±1.0	25 ±1.0	35 ±1.0	42 ±2.0		33 ±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		20	16	
Output test point	dB	-		-30 ±0.5				-		
Output level	dBµV	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 <sub>DC</sub>	24 Switchable		-	24 Auto	-	-	-	24 Auto	
	mA	55		-	50	-	-	-	50	
Return loss	dB	≥10								
Chroma - luminance delay	ns	-		<10						
Noise figure	dB	<4.5	<3.0	5±1.5			4±1.5	3±1.0		
Mains voltage	V <sub>~</sub>	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						