

904 BROADBAND AMPLIFIERS

AMPLIFIER 2 OUTPUTS 24 VDC



Code : **904060**

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			
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 \pm TOL	24 \pm 1,0	25 \pm 1,5	35 \pm 1,0	25 \pm 1,0	35 \pm 1,0	42 \pm 2,0	
Flatness response	dB	\pm 1,2	\pm 1,5	\pm 1,5 \pm 0,25 (8MHz)				
Adjustable gain range	dB	16	12	20			16	
Output test point	dB	-			-30 \pm 0,5			
Output level	dB μ V	102 DIN 45004B 99 (IMD ₃ -60 dB) 86 (IMD ₂ -60 dB)			2x110 DIN 45004B 2x107 (IMD ₃ -66 dB) 2x100 (IMD ₂ -60 dB)			
Isolation between inputs/outputs	dB	-			13			
Output voltage	V ---	24 Switchable			-		24 Auto	-
	mA	55			-		50	-
Return loss	dB	10						
Chroma - luminance delay	ns	-			<10			
Noise figure	dB	<4,5	<3,0	5 \pm 1,5				
Mains voltage	V \sim	230 \pm 10% 50/60 Hz						
	VA	7						
Operating temperature	$^{\circ}$ 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			