

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				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 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 _{DC}	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 _~	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					