

# 904 BROADBAND AMPLIFIERS

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## AMP UHF-VHF/FM 2 OUTPUTS



Code : **9040011**

Model : **CA-311**

### Description

Broadband head-end amplifiers with 2 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	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/FM/DAB	UHF	BI	FM	BIII	UHF 1	UHF 2	VHF/FM/DAB	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	2x102 DIN 45004B 2x99 (IMD3-60 dB) 2x86 (IMD2-60 dB)			2x110 DIN 45004B 2x107 (IMD3-66 dB) 2x100 (IMD2-60 dB)					
Isolation between inputs/outputs	db	-			13					
Output voltage	V $\overline{--}$	24 Switchable			-	24 Auto	-	-	-	24 Auto
	mA	55			-	50	-	-	-	50
Return loss	dB	10								
Chroma - luminance delay		-			<10					
Noise figure	dB	<4.5	<3.0	5 ±1,5				4 ±1,5	3 ±1,0	
Mains voltage	V $\sim$	230 ±10% 50/60 Hz								
	VA	7								
Operating temperature	°C	-5..+60			-10..+65					
Protection index		IP 20								
Units per packaging		1								
Packing weight	Kg	0.38				0.58				
Packing dimensions	mm	115 x 102 x 45				160 x 100 x 50				