904 BROADBAND AMPLIFIERS

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⎓	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~	230 ±10% 50/60 Hz								
	VA	7								
Operating temperature	ºC	-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			