904 BROADBAND AMPLIFIERS

AMPLIFIER UHF-UHF-BIII-BI/FM 2 OUT LTE



Code : **9040117**

Model : **CA-342**

Description

Broadband amplifiers for head-end, compatible with transmission of LTE800 mobile telephone signals. Includes a rejection filter for LTE800 signals. Equipped with four inputs to amplify and combine the signals coming from the antennas. Power supplied automatically to preamplifier. Available on request in 125 and 240 V~.

Applications

Medium-sized individual digital and analogue terrestrial TV installations which are affected by the transmission of LTE800 mobile telephone signals. It is used as the head-end amplifier of the installation. The two outputs facilitate star-shaped distributions 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. F-type connectors for screwing on or crimping.

CODE		9040116					9040117			
MODEL		CA-340					CA-342			
TV System		AM-TV / DVB-T								
Connection		F female								
Number of outputs		2								
Number of inputs		3					4			
Frequency range	Band	BI	FM	BIII	UHF1	UHF2	BI/FM	BIII	UHF1	UHF2
	MHz	47-70	88-108	160-260	470-790		40-108	160-260	470-790	
Gain	dB + TOL	35 ±1.0	25 ±1.0	35 ±1.0	45 ±2.0		20 ±1.0	20 ±1.0	30 ±1.0	
Adjustable gain range		20			16		20		16	
Flatness response	dB	±1.5 ±0.25(8MHz)					±1.5		±0.25	
Output level	dBµV	2 x 110 DIN 45004B 2 x 107 (IMD3 -60 dB) 2 x 100 (IMD2 -60 dB)								
Insolation betwen inputs/ outputs	dB	13								
Output voltage	V⎓	-			24 Auto	-	-	-	24 Auto	-
	mA	-			50	-	-	-	50	-
Return loss	dB	10								
Chroma - luminance delay	ns	<10								
Noise figure	dB	5.5±1.5					6.5±1.5		5.5±1.5	
Mains voltage	V~	230±10% 50/60 Hz								
	VA	7								
Operating temperature	ºC	-10..+65								
Protection index		IP20								
Units per packaging		1					24			
Packing weight	Kg	0.58					14.42			
Packing dimensions	mm	165 x 100 x 50					385 x 370 x 205			