904 BROADBAND AMPLIFIERS

DISTRIBUTION AMPLIFIER IF-TV (VR 65 MHZ)



Code : **9040025**

Model : **DA-713**

Description

Broadband distribution amplifier for terrestrial TV and IF satellite. It amplifies the return path, and is available in different frequencies according to the model. It has a gain control and slope control on each TV and SAT band. Fed by a built-in switching power supply. The input and output test point permits the checking and adjustment of the installation without having to disconnect the TV signal.

Applications

Used as a distribution amplifier in large terrestrial and IF band SMATV installations. Designed to permit the distribution of the IF band among groups of different buildings or houses from one single SAT head-end.

Characteristics

Made from zamak and galvanised plate for maximum shielding. Separate housings for the power supply unit and the high frequency circuit. F type connectors, located on the lower part to help with the distribution.

CODE		9040017			9040025		
MODEL		DA-711			DA-713		
Frequency range	Band	RP	TV	SAT	RP	TV	SAT
	MHz	5-30	47-862	930-2150	5-65	86-862	930-2150
Gain	dB±TOL	4 ±0,5	34 ±1,0	41 ±2,5	6 ±0,5	34 ±1,0	41 ±2,5
Flatness response	dB	±0,5	±0,8	±2,0	±0,5	±0,8	±2,0
Gain adjustment	dB	-	20	15	-	20	15
Fixed equalization	dB	2.5	-	1.5 ±1,5	3.5	-	1.5 ±1,5
Adjustable equalization range	dB	-	17	10	-	16	10
Input/output test point	dB±TOL	-30 ±0,5	-30 ±2,0		-30 ±0,5	-30 ±2,0	
Output level	dBµV	107 DIN 45004B 104 (IMD3 - 60 dB) 90 (IMD2 - 60 dB)	120 DIN 45004B 117 (IMD3 - 60 dB) 110 (IMD2 - 60 dB) 105 (CTB - 60 dB) 105 (CSO - 60 dB) 104 (XMOD - 60 dB)	120 (IMD3 - 35 dB) 110 (IMD2 - 35 dB)	107 DIN 45004B 104 (IMD3 - 60 dB) 90 (IMD2 - 60 dB)	120 DIN 45004B 117 (IMD3 - 60 dB) 110 (IMD2 - 60 dB) 105 (CTB - 60 dB) 105 (CSO - 60 dB) 104 (XMOD - 60 dB)	120 (IMD3 - 35 dB) 110 (IMD2 - 35 dB)
Return loss I/O	dB	≥14	≥10	≥9	≥14	≥10	≥9
Chroma-luminance delay	ns	<40					
Noise figure	dB	7		10	7		10
Fuse	V~	250					
	A	1.6					
Mains voltage	V~	230 ±15% 50/60 Hz					
	VA	12					
Operating temperature	°C	-20..+65					
Protection index		IP 50D					
Units per packing		1					
Packing weight	Kg	1.8					
Packing dimensions	mm	220 x 200 x 60					