

904 DISTRIBUTION AMPLIFIERS

TV-SAT distribution amplifiers



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			
MODEL	DA-711			
	Band	RP	TV	SAT
Frequency range	MHz	5-30	47-862	930-2150
Gain	dB±TOL	4 ±0,5	34 ±1,0	41 ±2,5
Flatness response	dB	±0,5	±0,8	±2,0
Gain adjustment	dB	-	20	15
Fixed equalization	dB	2.5	-	1.5 ±1,5
Adjustable equalization range	dB	-	17	10
Input/output test point	dB±TOL	-30 ±0,5	-30 ±2,0	
Output level	dBµV	107 DIN 45004B 104 (IMD ₃ - 60 dB) 90 (IMD ₂ - 60 dB)	120 DIN 45004B 117 (IMD ₃ - 60 dB) 110 (IMD ₂ - 60 dB) 105 (CTB - 60 dB) 105 (CSO - 60 dB) 104 (XMOD - 60 dB)	120 (IMD ₃ - 35 dB) 110 (IMD ₂ - 35 dB)
Return loss I/O	dB	≥14	≥10	≥9
Chroma-luminance delay	ns	<40		
Noise figure	dB	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		

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB
 IMD₃ - 60 dB: 2 equal carriers, EN 50083-3
 IMD₃ - 35 dB: 2 equal carriers, EN 50083-3
 IMD₂ - 60 dB: 2 equal carriers, EN 50083-3

IMD₂ - 35 dB: 2 equal carriers, EN 50083-3
 CTB - 60 dB: 42 equal carriers, EN 50083-3
 CSO - 60 dB: 42 equal carriers, EN 50083-3
 XMOD - 60 dB: 42 equal carriers, EN 50083-3