904 BROADBAND AMPLIFIERS

DISTRIBUTION AMPLIFIER TV (VR 65 MHZ)



Code : **9040019**

Model : **DA-703**

Description

Broadband distribution amplifier for terrestrial TV. It has a gain control and variable slope control. It amplifies the return path, and is available in different frequencies according to the model. 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 community installations or cable networks. It can be used as a line amplifier in small cable networks. These installations commonly have long runs of cable which attenuate and unbalance the signal, attenuating those channels with higher frequency more. The distribution amplifiers compensate this loss with the equaliser and amplify the channels adding as little noise as possible.

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 installation.

CODE		9040016		9040019	
MODEL		DA-701		DA-703	
Frequency range	Band	RP	TV	RP	TV
	MHz	5-30	47-862	5-65	86-862
Gain	dB±TOL	4 ±0,5	34 ±1,0	6 ±0,5	34 ±1,0
Flatness response	dB	±0,5	±0,7	±0,5	±0,7
Gain adjustment	dB	-	20	-	20
Fixed equalization	dB	2.5	3	3.5	3
Adjustable equalization range	dB	-	17	-	16
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) 110 (CSO - 60 dB) 104 (XMOD - 60 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) 110 (CSO - 60 dB) 104 (XMOD - 60 dB)
Return loss I/O	dB	≥14	≥16 -1.5/octave	≥14	≥16 -1.5/octave
Chroma-luminance delay	ns	<40			
Noise figure	dB	≥7			
Fuse	V~	250			
	W	5			
Mains voltage	V~	230 ±15% 50/60 Hz			
	VA	8			
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			