



PA-720

**Description**

Broadband amplifier for ALCAD equipment. It has one inputs to amplify the signal coming from all the modules of the installation, and a mutliplexing input for the rest of the channels of the installation. The output level can be controlled by means of an attenuator.

**Applications**

All MATV installations where modulators are incorporated and monochannel amplifiers are not used.

**Characteristics**

Amplifier with high output level, power stage with a hybrid amplifier.

CODE	9120093	
MODEL	PA-720	
TV System	AM-TV / DVB-T / DVB-C	
Number of inputs	1	
Frequency range	MHz	40 - 894
Gain	dB±TOL	44 ±1,0
Gain adjustment	dB	15
Output level	dBµV	119 (DIN 45004B) 116 (IMD <sub>3</sub> - 60 dB) 110 (IMD <sub>2</sub> - 60 dB) 103 (CTB - 60 dB) 103 (CSO - 60 dB) 104 (XMOD - 60 dB)
Output test point	dB±TOL	-30 ±1,0
Extension input loss	dB±TOL	0 ±2,0
Noise figure	dB	35 ±0,5
Return loss	dB	>14 - 1.5 / eighth >10
Chroma-luminance delay	ns	<10
Connectors	F female	
Power supply	V <sub>DC</sub>	+24
	mA	320
Operating temperature	°C	-10..+45
Room temperature with/ without fan	°C	-10..+55/+45
Protection index	IP 20C	
Units per packaging	1	
Packing weight	Kg	1.16
Packing dimensions	mm	265 x 165 x 40

DIN 45004B: 3 unequal carriers, IMD3 at 60 dB  
 IMD<sub>3</sub> -60 dB: 2 equal carriers, EN 50083-3  
 IMD<sub>2</sub> -60 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