



Power amplifier

Amplification of the combined multichannel signal in a ClassA assembly.



Multi-channel output signal



Gain adjustment



Extension input

Main features

- Amplification of the combined multichannel signal in a ClassA assembly.
- Variable attenuation is shared on two interstage sections, featuring delayed behaviour on the first one. Maintenance of a low noise figure.
- Extension input allows coupling of the wideband signal provided by another existing headend.

MODEL		HPA-125	
REF.		4427	
Technology		Push-pull	
Bandwidth	MHz	47 - 862	
Gain	dB	45	
Interstage variable attenuator	dB	0 - 20	
Noise figure	dB	≤ 6	
Output level (IMD3 -60dB, DIN 45004B)	dB	≥ 125 ¹	
Output level (IMD2 -60dB, EN 50083-3)	dBμV	≥ 120	
Output level (CTB -60 dB, EN 42 channels)	dBμV	≥ 111	
Output level (CSO -60 dB, EN 42 channels)	dBμV	≥ 115	
Input test	dBμV	-20 ±1.5	
Output test	dB	-30 ±1	
Extension input	Bandwidth	MHz	47 - 862
	Gain	dB	6
Supply voltage	VDC	+12	
Consumption	mA	830	
RF and Test connectors		female F	
DC connector type		banana socket	
Dimensions	mm	230 x 195 x 32	

