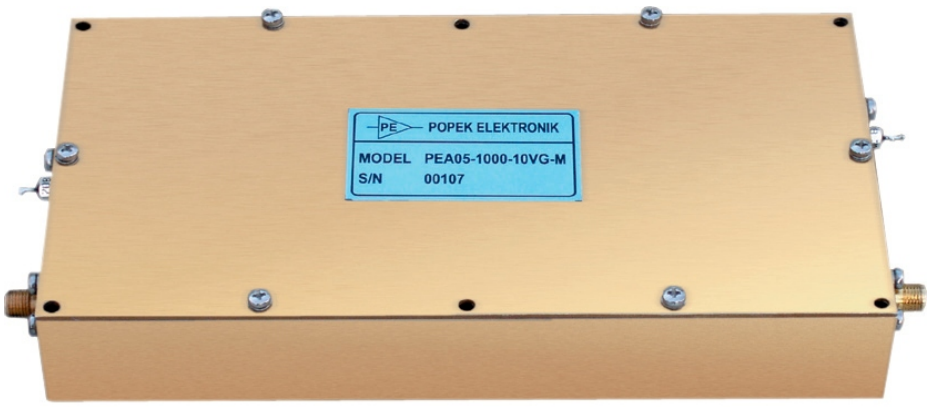
RF Power Amplifier Module
PEA05-1000-10VG-M



The new, ultra broadband, linear amplifier covers an extremely wide frequency range from 50 kHz to 1000 MHz and provides stable and linear RF power.
The Class A final performs with good linearity and low harmonic distortion.

The amplifier is an ideal RF source for:

- EMI/RFI testing
- General laboratory applications
- Testing broadband components
- Driving linear power stages

The flat frequency response and flat power compression allows wideband operation without any tuning or adjustment of the gain. It is particularly important, if amplifier is used for driving broadband, linear power stages. The high linearity, low intermodulation and very flat frequency response ensures that the amplifier will amplify complex wideband modulations.

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GENERAL SPECIFICATION	
Frequency Range	0.05 ÷ 1000 MHz
Output Power	10 W min., 12 W max.
Output Power @ 1 dB Gain Compression	10 W min.
Power input maximum	1 mW max.
Small Signal Gain Flatness	± 1,5 dB max.
Harmonic distortion @ 1 dB Gain Compression, @ Pout ≤ 10 W, @ Gain = max.	–20 dB max.
Small Signal Gain @ Gain = max.	50 dB ± 2 dB
Voltage gain adjustment	20 dB min. continuous range
Voltage gain control	0 ÷ 5 V
Input Impedancje	50 Ω nominal
Output Impedance	50 Ω nominal
Mismatch Tolerance	2:1 @ rated power 10:1 without damage
Supply	25 ÷ 50 VDC
Power Consumption	120 W max.
Connectors Input/Output	SMA / female
Cooling	External Heatsing (maximum allowable endosure temperature 70 °C)
Dimensions (excluding heatsing) (H x W x D)	176 mm x 96 mm x 67 mm
Weight	1.8 kg

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