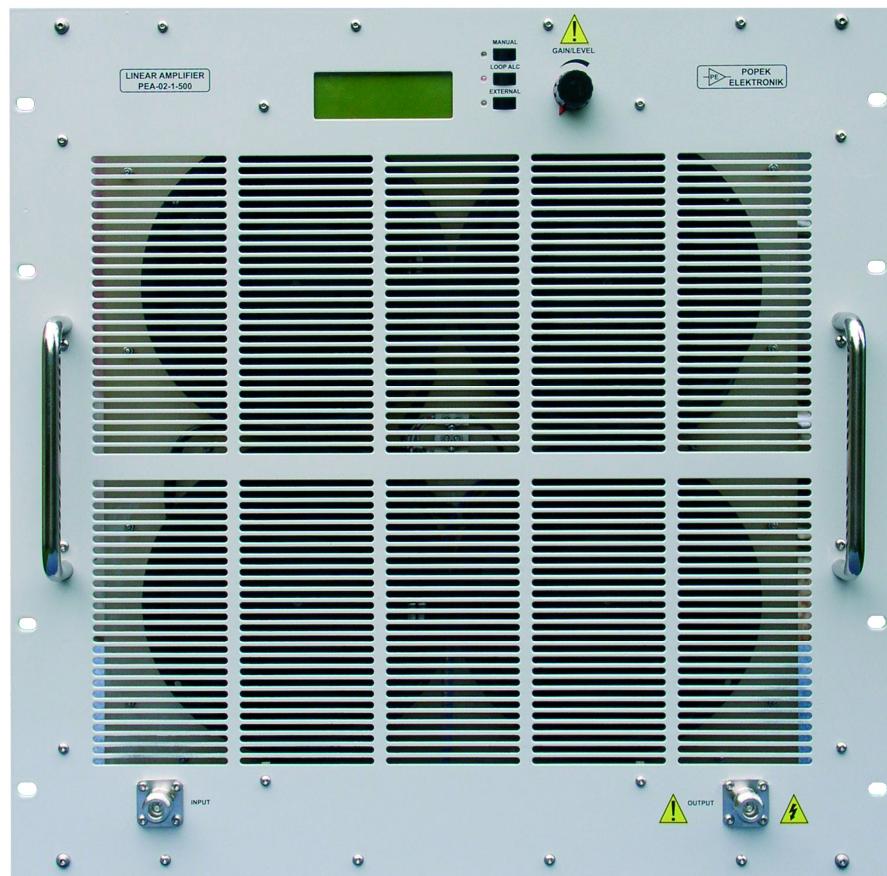


Broadband Power Amplifier

PEA02-1-500



PEA-02-1-500 is a linear, broadband telecommunication and, broadband high power amplifier (500 W) making use of automatic measurement systems, broadband telecommunication and laboratories. The broadband and high gain enable the amplifier to gain signals from typical signal generators. After calibration the amplifier with antenna systems are used for generation of electromagnetic measurement fields. The device enable signal transmission with the following modulations: AM, FM, SSB and pulse.

POPEK ELEKTRONIK ♦ Jaśminowa 28 ♦ 22-400 Zamość ♦ Poland
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POPEK ELEKTRONIK reserves the right to make changes without further notice.

Broadband Power Amplifier

PEA02-1-500

GENERAL SPECIFICATION	
Frequency Range	0.02 ÷ 1 GHz
Output Power	≥ 500 W
Output Power @ 1 dB Gain Compression	> 400 W
Small Signal Gain	57 dB ± 2 dB
Small Signal Gain Flatness	< ± 2.5 dB
Flatness@ ALC switch on	≤ ± 0.7 dB
Input Impedance / VSWR	50 Ω nominal / 1.5:1 max.
Output Impedance / VSWR	50 Ω nominal / 2:1 max.
Mismatch Tolerance	3:1 max.
Connectors Input/Output	N / female
Supply	3 x 230 VAC +10 %, -15 % 50 Hz
Power Consumption	6000 W max.
Cooling	Forced air
Microprocessor Control System	<ul style="list-style-type: none"> - Protect against over load - Protect against RF input over-drive - Protect against over-temperature - Enable to measure forward power and reflected power from load
Dimensions of the Amplifier (H x W x D)	473 mm x 483 mm x 735 mm
Weight of the Amplifier	110 kg
Dimensions of the Power Supply (H x W x D)	396 mm x 483 mm x 603 mm
Weight of the Power Supply	49 kg
Interface	RS232

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