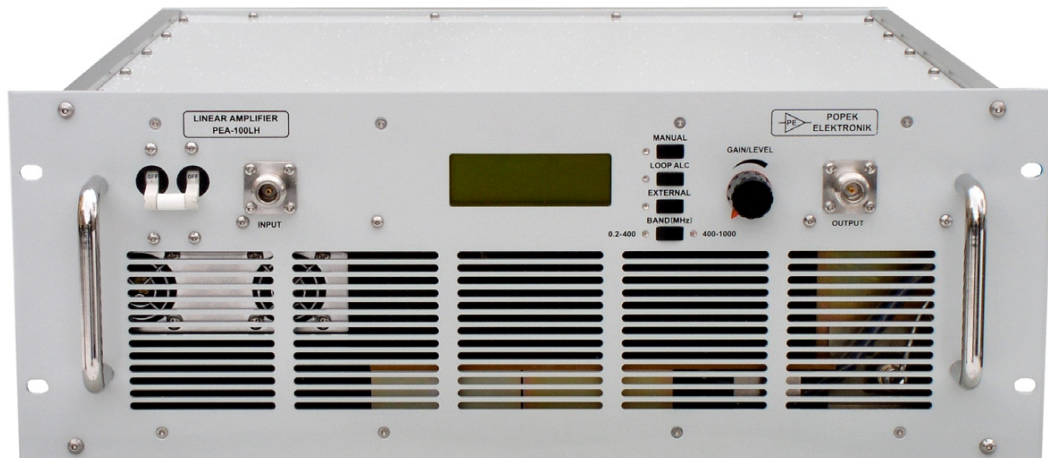


Broadband Power Amplifier PEA-100LH



PEA-100LH is a linear, broadband telecommunication and, broadband high power amplifier (100 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
tel. 48 84 6394984 ♦ fax. 48 84 6394136 ♦ www.popek-elektronik.com

POPEK ELEKTRONIK reserves the right to make changes without further notice.

Broadband Power Amplifier PEA-100LH

GENERAL SPECIFICATION	
Frequency Range	200 kHz ÷ 400 MHz 400 MHz ÷ 1000 MHz
Output Power	≥ 100 W
Output Power @ 1 dB Gain Compression @ 0.2 MHz ÷ 150 MHz @ 150 MHz ÷ 500 MHz @ 400 MHz ÷ 1000 MHz	≥ 80 W min. ≥ 65 W min. ≥ 70 W min.
Small Signal Gain when the gain is set to maximum	48 dB min., 51 dB max.
Small Signal Gain Flatness	± 1.5 dB typ., ± 2 dB max.
Flatness @ ALC switch on	≤ ± 0.8 dB
Input Impedance / VSWR	50 Ω nominal / 2:1 max., ≤ 1.5:1 typ.
Output Impedance / VSWR	50 Ω nominal / < 4:1 max.
Mismatch Tolerance	5:1 max.
Connectors Input/Output	N / female
Supply	230 VAC, +10 %, -15 %, 50 Hz ÷ 60 Hz
Power Consumption	800 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 (H x W x D)	180 mm x 483 mm x 655 mm
Weight	28 kg
Interface	RS232

POPEK ELEKTRONIK ♦ Jaśminowa 28 ♦ 22-400 Zamość ♦ Poland
tel. 48 84 6394984 ♦ fax. 48 84 6394136 ♦ www.popek-elektronik.com

POPEK ELEKTRONIK reserves the right to make changes without further notice.