

# Broadband Power Amplifier PEA-50L



PEA-50LH is a linear, broadband telecommunication and, broadband high power amplifier (50 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](http://www.popek-elektronik.com)

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

# Broadband Power Amplifier PEA-50L

GENERAL SPECIFICATION	
Frequency Range	0.2 ÷ 500 MHz
Output Power	≥ 50 W
Output Power @ 1 dB Gain Compression	40 W
Small Signal Gain Gain when the gain is set to maximum	47 dB min., 49 dB max.
Small Signal Gain Flatness	± 1.5 dB typ., ± 2 dB max.
Flatness@ ALC switch on	≤ ± 0.7 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	500 W max.
Cooling	Forced air
Microprocessor Control System	<ul style="list-style-type: none"> <li>- Protect against over load</li> <li>- Protect against RF input over-drive</li> <li>- Protect against over-temperature</li> <li>- Enable to measure forward power and reflected power from load</li> </ul>
Dimensions (H x W x D)	140 mm x 483 mm x 465 mm
Weight	18 kg
Interface	RS232

**POPEK ELEKTRONIK** ♦ Jaśminowa 28 ♦ 22-400 Zamość ♦ Poland  
tel. 48 84 6394984 ♦ fax. 48 84 6394136 ♦ [www.popek-elektronik.com](http://www.popek-elektronik.com)

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