

Broadband Power Amplifier PEA-25LH



PEA-25LH is a linear, broadband telecommunication and, broadband high power amplifier (25 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-25LH

GENERAL SPECIFICATION	
Frequency Range	100 kHz ÷ 400 MHz 400 MHz ÷ 1000 MHz
Output Power	≥ 25 W
Output Power @ 1 dB Gain Compression @ 50 kHz ÷ 100 kHz @ 0.1 MHz ÷ 1000 MHz	15 W 20 W
Small Signal Gain when the gain is set to maximum	54 dB min., 57 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	350 W max.
Cooling	Forced air
Microprocessor Control System	- 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)	140 mm x 483 mm x 510 mm
Weight	20 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.