

Broadband Power Amplifier PEA-25L



PEA-25L 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.

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Broadband Power Amplifier PEA-25L

| GENERAL SPECIFICATION | |
|--------------------------------------|---|
| Frequency Range | 0.1 ÷ 500 MHz |
| Output Power | ≥ 25 W |
| Output Power @ 1 dB Gain Compression | 20 W min, 25 W typ. |
| Small Signal Gain | 51 dB min. |
| Small Signal Gain Flatness | ± 1.5 dB typ., ± 2dB max. |
| Flatness@ ALC switch on | ≤ ± 0.7 dB |
| Input Impedance / VSWR | 50 Ω nominal / 2:1max ≤ 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 | <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) | 140 mm x 483 mm x 430 mm |
| Weight | 15 kg |
| Interface | RS232 |