

# Broadband Power Amplifier PEA02-1-100



PEA02-1-100 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.

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GENERAL SPECIFICATION	
Frequency Range	0.02 ÷ 1 GHz
Output Power	≥ 100 W
Output Power @ 1 dB Gain Compression	> 80 W
Small Signal Gain	50 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	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"> <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	20 kg
Interface	RS232

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