Broadband Power Amplifier
PEA0.8-2.5-20

PEA08-2.5-20 is a linear, broadband telecommunication and, broadband high power amplifier (20 W) making use of automatic measurment 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	0.8 ÷ 2.5 GHz
Output Power in saturation @ 800 ÷ 2120 MHz @ 2120 ÷ 2500 MHz	 43 dBm min. 42 dBm min.
Output Power @ 1dB Gain Compression @ 800 ÷ 1700 MHz @ 1700 ÷ 2100 MHz @ 2100 ÷ 2500 MHz	 43 dBm min. 42.5 dBm min. 41.3 dBm min.
Small Signal Gain	43 dB
Small Signal Gain Flatness	$\pm$ 1.5 dB typ.
Flatness@ ALC switch on	$\leq \pm$ 0.7 dB
Input Impedance / VSWR	50 Ω nominal / 2:1 max.
Output Impedance / VSWR	50 Ω nominal / < 2:1 max.
Mismatch Tolerance	5:1 max.
Connectors Input/Output	N / female
Supply	230 VAC, +10 %, -15 %, 50 Hz÷60 Hz
Power Consumption	200 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)	171 mm x 234 mm x 560 mm
Weight	20 kg
Interface	RS232