

STANDARD MODELS

| Model | Frequency Range | Output Power P _P min / Duty W pk / % | Pulse Width max. **) | Gain typ dB | Harmonics 2nd / 3rd dBc | Line Power VA | Dimensions (H, D) 19"-System | Weight kg |
|--------------|-----------------|---|-------------------------|-------------------|-------------------------------|------------------|------------------------------------|--------------|
| BPA 2427-100 | 2.4 ... 2.7 GHz | 100 / 10 | 100 µs | 50 ±2.5 | 40 / 40 | 350 | 2 HU, 430 mm | 15 |

1 HU = 44.45 mm

STANDARD SPECIFICATIONS

| | |
|--------------------------------|---|
| Input Power: | 0 dBm (1 mW) max. |
| Overdrive Protection: | up to +10 dBm for no damage |
| Input Impedance: | 50 Ohm nominal |
| Output Impedance: | 50 Ohm nominal |
| Input VSWR: | <2:1 typ. |
| Load VSWR: | infinite for no damage (100% mismatch tolerant) |
| | P _N -0.5 dB min. at VSWR 2:1 |
| PRF at 1 µs Pulswidth | 100 kHz (Duty 6 ... 10%) |
| PRF at 100 µs Pulswidth | 1 kHz (Duty 6 ... 10%) |
| Pulse Droop: | 1.0 dB max. |
| Spurious (at P _N): | -60 dBc min. (excluding harmonics) |
| Class of Operation: | A-linear or AB-linear |

GENERAL

| | |
|----------------------|---|
| RF Input: | N-f, standard on rear panel |
| RF Output: | N-f, standard on rear panel |
| Mains Supply: | 100 ... 240 V AC ±10%, 47 ... 63 Hz |
| Elapsed Time Meter: | via status display |
| Ambient Temperature: | 0 ... +45 °C |
| Storage Temperature: | -25 ... 85 °C |
| Relative Humidity: | up to 95% (non-condensing) |
| Operating Altitude: | up to 2000 m above sea level |
| Vibration and Shock: | MIL-STD-810 G |
| Cooling: | forced air with integral blower air intake from front, air exhaust at rear |

OPTIONS

| | |
|--------------------------------------|---|
| A) Sample Ports *) | R) RS-232C/RS-485 Remote Control |
| B) External Dual Directional Coupler | S) Internal RF Switching Unit *) |
| C) IEEE-488.2 GPIB Remote Control | U) USB Remote Control |
| D) Front Panel RF-Connectors | W) Liquid Cooling |
| E) RF Power Indication (digital) *) | X) External Control of other Amplifiers |

BPA 2.4 ... 2.7 GHz Pulsed Solid State Amplifiers

F) Gain Adjustment *)
G) Output Isolator *)
H) DC-Supply
I) 3x 208 V AC / 60 Hz
L) LAN Remote Control

*) These options may reduce output power and/or gain
**) Optionally other pulse width available