

## STANDARD MODELS

| Model         | Frequency Range | Output Power<br>P <sub>P</sub> min / Duty<br>W pk / % | Pulse Width<br>max. **) | Gain<br>typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>VA | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|---------------|-----------------|---|-------------------------|-------------------|-------------------------------|------------------|------------------------------------|--------------|
| BPA 1025-1000 | 1 ... 2.5 GHz   | 1000 / 10   | 100 µs                  | 60 ±3             | 15 / 15                       | 900              | 4 HU, 630 mm                       | 37           |

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)<br>P <sub>N</sub> -0.5 dB min. at VSWR 2:1 |
| Pulse Droop:                   | 1.0 dB   |
| Spurious (at P <sub>N</sub> ): | -50 dBc typ. (excluding harmonics)   |
| Class of Operation:            | AB-linear  |

## GENERAL

|                      |   |
|----------------------|---|
| RF Input:            | N-f, standard on rear panel   |
| RF Output:           | N-f, standard on rear panel   |
| Mains Supply:        | 200 ... 240 V AC ±10%, 47 ... 63 Hz   |
| Elapsed Time Meter:  | via status display  |
| Ambient Temperature: | 0 ... +45 °C  |
| Storage Temperature: | -20 ... +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<br>air intake from front, air exhaust at rear |

## OPTIONS

|                                      |   |
|--------------------------------------|---|
| A) Sample Ports *)                   | R) RS-232C 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 |
| 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