

## STANDARD MODELS

Model	Frequency Range	Output Power P <sub>P</sub> min / Duty W / %	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BPA 2427-25	2.4 ... 2.7 GHz	25 / 10	44 ±2.5	40 / 40	125	3 HU, 350 mm	15
BPA 2427-50	2.4 ... 2.7 GHz	50 / 10	47 ±2.5	40 / 40	200	3 HU, 350 mm	15
BPA 2427-100	2.4 ... 2.7 GHz	100 / 10	50 ±2.5	40 / 40	350	3 HU, 350 mm	15
BPA 2427-500	2.4 ... 2.7 GHz	500 / 10	57 ±2.5	40 / 40	1000	4 HU, 550 mm	25
BPA 2427-1000	2.4 ... 2.7 GHz	1000 / 10	60 ±2.5	40 / 40	1700	4 HU, 550 mm	30

1 HU = 44.45mm

## 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:	2:1 max. für P <sub>P</sub> -0.5 dB; infinite for no damage
Puls width:	100 µs
Pulse Droop:	1.0 dB
Spurious (at P <sub>N</sub> ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	C

## GENERAL

RF Input:	<8 GHz	N-f, standard on rear panel
	8 to 18 GHz	SMA-f, standard on front panel
	> 18 GHz	K-f, standard on front panel
RF Output:	<8 GHz	N-f, standard on rear panel
	8 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	K-f, standard on front panel
Mains Supply:	P <sub>P</sub> up to 100 W	85 ... 264 V AC
	P <sub>P</sub> >100 W	3x 400 V AC
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 F	
Cooling:	forced air with integral blower	
	air intake from front, air exhaust at rear	

# BLPA / BPA 2.4 ... 2.7 GHz Pulsed Solid State Amplifiers

## OPTIONS

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|--------------------------------------|---------------------------|
| A) Sample Ports                      | G) Output Isolator        |
| B) External Dual Directional Coupler | H) DC-Supply              |
| C) IEEE-488.2 GPIB Remote Control    | I) 3x 200 V AC / 60 Hz    |
| D) Front Panel RF-Connectors         | L) LAN Remote Control     |
| E) Power Indication (digital)        | R) RS-232C Remote Control |
| F) Gain Adjustment                   | U) USB Remote Control     |