

BLPA / BPA 950 ... 1250 MHz

Pulsed Solid State Amplifiers

STANDARD MODELS

Model	Frequency Range	Output Power P_P min / Duty W / %	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BPA 0913-100	950 ... 1250 MHz	100 / 5	50 $\pm$ 2.5	40 / 40	300	3 HU, 350 mm	15
BPA 0913-500	950 ... 1250 MHz	500 / 5	57 $\pm$ 2.5	40 / 40	300	4 HU, 550 mm	25
BPA 0913-1000	950 ... 1250 MHz	1000 / 5	60 $\pm$ 2.5	40 / 40	300	4 HU, 550 mm	30
BPA 0913-4000	950 ... 1250 MHz	4000 / 5	66 $\pm$ 2.5	40 / 40	1200	12 HU, 630 mm	120
BPA 0913-7500	950 ... 1250 MHz	7500 / 5	68 $\pm$ 2.5	40 / 40	2500	24 HU, 800 mm	220

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_P -0.5 dB; infinite for no damage
Puls width:	100 μ s
Pulse Droop:	1.0 dB
Spurious (at P_N):	-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_P up to 100 W	85 ... 264 V AC
	P_P >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	

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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 |