BLPA / BPA 1.2 ... 1.4 GHz
Pulsed Solid State Amplifiers

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 1214-500	1.2 ... 1.4 GHz	500 / 10	57 ±2.5	30 / 30	250	3 HU, 550 mm	18
BPA 1214-1000	1.2 ... 1.4 GHz	1000 / 10	60 ±2.5	30 / 30	500	3 HU, 630 mm	22
BPA 1214-1800	1.2 ... 1.4 GHz	1800 / 10	63 ±2.5	30 / 30	1000	4 HU, 630 mm	35
BPA 1214-3000	1.2 ... 1.4 GHz	3000 / 10	65 ±2.5	30 / 30	1500	6 HU, 630 mm	35
BPA 1214-5000	1.2 ... 1.4 GHz	5000 / 10	67 ±2.5	30 / 30	3000	8 HU, 630 mm	60

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 µs
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	

OPTIONS

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