

BLPA / BPA 1.15 ... 1.45 GHz Pulsed Solid State Amplifiers

STANDARD MODELS

Model	Frequency Range	Output Power	Gain	Harmonics	Line Power	Dimensions	Weight
		P _P min / Duty W / %	typ dB	2nd / 3rd dBc	VA	(H, D) 19"-System	kg
BPA 1114-900	1.2 ... 1.5 GHz	900 / 10	62 ±2.5	30 / 30	500	3 HU, 630 mm	22

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	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