

BLPA / BPA 400 ... 1000 MHz Pulsed Solid State Amplifiers

STANDARD MODELS

Model	Frequency Range	Output Power P _P min / typ W	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLPA 4010-1200	400 ... 1000 MHz	1200 / 1400	61 ±2	40 / 40	1000	8 HU, 630 mm	75
BLPA 4010-2000	400 ... 1000 MHz	2000 / 2200	63 ±2	40 / 40	1500	15 HU, 630 mm	145
BLPA 4010-3500	400 ... 1000 MHz	3500 / 3800	66 ±2	40 / 40	2000	24 HU, 800 mm	195

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. for P _P -0.5 dB; infinite (with option G)
Duty Cycle:	10%
Puls Width:	100 µs
Pulse Droop:	1.0 dB
Risetime / Falltime:	<300 ns
Spurious:	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-B linear

GENERAL

RF Input:	<8 GHz	N-f, standard on rear panel
	8 up to 18 GHz	SMA-f, standard on front panel
	>18 GHz	K-f, standard on rear panel
RF Output:	<8 GHz	N-f, standard on rear panel
	8 up to 18 GHz	SMA-f, standard on front panel
	>18 GHz	K-f, standard on rear 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

BLPA / BPA 400 ... 1000 MHz Pulsed Solid State Amplifiers

C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF-Connectors
E) Power Indication (digital)
F) Gain Adjustment

I) 3x 200 V AC / 60 Hz
L) LAN Remote Control
R) RS-232C Remote Control
U) USB Remote Control