

BLPA / BPA 300 ... 500 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 3050-50	300 ... 500 MHz	50 / 60	47 ±1.5	40 / 40	80	3 HU, 350 mm	25
BLPA 3050-100	300 ... 500 MHz	100 / 115	50 ±1.5	40 / 40	150	3 HU, 350 mm	25
BLPA 3050-250	300 ... 500 MHz	250 / 280	54 ±1.5	40 / 40	250	4 HU, 550 mm	30
BLPA 3050-500	300 ... 500 MHz	500 / 550	57 ±1.5	40 / 40	350	4 HU, 550 mm	40
BLPA 3050-1000	300 ... 500 MHz	1000 / 1100	60 ±1.5	40 / 40	500	4 HU, 550 mm	45
BLPA 3050-2000	300 ... 500 MHz	2000 / 2200	63 ±1.5	40 / 40	750	6 HU, 630 mm	55
BLPA 3050-4000	300 ... 500 MHz	4000 / 4400	66 ±1.5	40 / 40	1000	7 HU, 630 mm	75
BLPA 3050-7000	300 ... 500 MHz	7000 / 7500	68 ±1.5	40 / 40	2000	12 HU, 630 mm	115

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	

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Cooling: forced air with integral blower
air intake from front, air exhaust at rear

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 |