

BPA / TWAP

0,3 ... 0,5 GHz

Pulsed Amplifiers

Standard Models

Model	Frequency Range	Output Power P _N / W	Gain dB typ	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BLPA 3050-50	0,3 ... 0,5 GHz	50	47 ±1.5	40 / 40	80	3 HU, 350 mm	25
BLPA 3050-100	0,3 ... 0,5 GHz	100	50 ±1.5	40 / 40	150	3 HU, 350 mm	25
BLPA 3050-250	0,3 ... 0,5 GHz	250	54 ±1.5	40 / 40	250	4 HU, 450 mm	30
BLPA 3050-500	0,3 ... 0,5 GHz	500	57 ±1.5	40 / 40	350	4 HU, 550 mm	40
BLPA 3050-1000	0,3 ... 0,5 GHz	1000	60 ±1.5	40 / 40	500	4 HU, 550 mm	45
BLPA 3050-2000	0,3 ... 0,5 GHz	2000	63 ±1.5	40 / 40	750	5 HU, 550 mm	55
BLPA 3050-4000	0,3 ... 0,5 GHz	4000	66 ±1.5	40 / 40	1000	7 HU, 630 mm	75
BLPA 3050-7000	0,3 ... 0,5 GHz	7000	68 ±1.5	40 / 40	2000	12 HU, 630 mm	115

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 _{pk} -0.5 dB; infinite (with option G)
Puls Width:	100 µs
Duty Cycle:	10%
Pulse Droop:	1.0 dB

Risetime / Falltime:	<300 ns
Spurious:	–50 dBc typ. (excluding harmonics)
Class of Operation:	A–B linear

General:

RF Input:	N–f; standard on rear panel
RF Output:	N–f; standard on rear panel
Ambient Temperature:	0 ... +45 °C
Mains Supply:	Line Power: <1000 W 100 ... 240 V AC ±10% / 47 ... 63 Hz Line Power: 1000 ... 3000 W 200 ... 240 V AC ±10% / 47 ... 63 Hz Line Power: >3000 W 3x 400 V AC ±10% / 47 ... 63 Hz
Storage Temperature:	–20 ... +85 °C
Relative Humidity:	up to 95% (non–condensing)
Vibration and Shock:	MIL–STD–810 F
Cooling:	forced air with integral blower, air intake from front air exhaust at rear
Operating Altitude:	up to 2000 m above sea level

Options:

A) RF Monitor Outputs	H) DC–Supply
B) External Dual Directional Coupler	N) Harmonic Filter
D) Front Panel RF–Connectors	I) 3x 200 V AC / 60 Hz
C) IEEE–488.2 GPIB Remote Control	R) RS–232C Remote Control
E) Power Indication (digital)	S) Gate Input
G) Output Isolator	U) USB Remote Control

Specifications are subject to change without notice

