

BPA / TWAP

1,2 ... 1,4 GHz

Pulsed Amplifiers

Standard Models

Model	Frequency Range	Output Power P _P min W	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BPA 1214-100	1,2 ... 1,4 GHz	100	50 ±2.5	30 / 30	200	3 HU, 350 mm	15
BPA 1214-500	1,2 ... 1,4 GHz	500	57 ±2.5	30 / 30	250	3 HU, 550 mm	18
BPA 1214-1000	1,2 ... 1,4 GHz	1000	60 ±2.5	30 / 30	500	3 HU, 630 mm	22
BPA 1214-1800	1,2 ... 1,4 GHz	1800	62.6 ±2.5	30 / 30	1000	4 HU, 630 mm	35
BPA 1214-3000	1,2 ... 1,4 GHz	3000	64.8 ±2.5	30 / 30	1500	6 HU, 630 mm	40
BPA 1214-5000	1,2 ... 1,4 GHz	5000	67 ±2.5	30 / 30	3000	8 HU, 630 mm	60

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:	120 µs
Duty Cycle:	10%
Risetime / Falltime:	<200 ns
Pulse Droop:	1.0 dB
Spurious:	-50 dBc typ. (excluding harmonics)

Class of Operation: C

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)
Cooling:	forced air with integral blower, air intake from front air exhaust at rear
Vibration and Shock:	MIL-STD-810 F
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



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