

## STANDARD MODELS

Model	Frequency Range	Output Power P <sub>P</sub> min / Duty W pk / %	Pulse Width max. **)	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BPA 1020-250	1 ... 2 GHz	250 / 10	100 µs	54 ±3	15 / 15	500	3 HU, 430 mm	22
BPA 1020-1000	1 ... 2 GHz	1000 / 10	100 µs	60 ±3	15 / 15	900	4 HU, 630 mm	37
BPA 1020-2000	1 ... 2 GHz	2000 / 10	100 µs	63 ±3	15 / 15	2000	7 HU, 630 mm	75
BPA 1020-4000	1 ... 2 GHz	4000 / 10	100 µs	66 ±3	12 / 20	4000	12 HU, 800 mm	150
BPA 1020-8000	1 ... 2 GHz	8000 / 10	100 µs	69 ±3	12 / 20	7500	21 HU, 800 mm	220
BPA 1020-11000	1 ... 2 GHz	11000 / 10	100 µs	70.4 ±3	10 / 20	12000	32 HU, 800 mm	450

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

## 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:	infinite for no damage (100% mismatch tolerant)
	P <sub>N</sub> -0.5 dB min. at VSWR 2:1
Pulse Droop:	1.0 dB
Spurious (at P <sub>N</sub> ):	-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 <sub>P</sub> up to 100 W	85 ... 264 V AC
	P <sub>P</sub> >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 G	
Cooling:	forced air with integral blower	
	air intake from front, air exhaust at rear	

## OPTIONS

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- |                                      |   |
|--------------------------------------|---|
| A) Sample Ports *)                   | R) RS-232C Remote Control               |
| B) External Dual Directional Coupler | S) Internal RF Switching Unit *)        |
| C) IEEE-488.2 GPIB Remote Control    | U) USB Remote Control                   |
| D) Front Panel RF-Connectors         | W) Liquid Cooling                       |
| E) RF Power Indication (digital) *)  | X) External Control of other Amplifiers |
| F) Gain Adjustment *)                |   |
| G) Output Isolator *)                |   |
| H) DC-Supply                         |   |
| I) 3x 208 V AC / 60 Hz               |   |
| L) LAN Remote Control                |   |

\*) These options may reduce output power and/or gain

\*\*) Optionally other pulse width available