

STANDARD MODELS

Model	Frequency Range	Output Power P _P min / Duty W / %	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BPA 2731-50	2.7 ... 3.1 GHz	50 / 10	47 ±2.5	30 / 30	150	3 HU, 350 mm	15
BPA 2731-100	2.7 ... 3.1 GHz	100 / 10	50 ±2.5	30 / 30	250	3 HU, 550 mm	15
BPA 2731-200	2.7 ... 3.1 GHz	200 / 10	53 ±2.5	30 / 30	250	3 HU, 550 mm	20
BPA 2731-300	2.7 ... 3.1 GHz	300 / 10	55 ±2.5	30 / 30	300	3 HU, 550 mm	21
BPA 2731-400	2.7 ... 3.1 GHz	400 / 10	56 ±2.5	30 / 30	350	3 HU, 550 mm	22
BPA 2731-500	2.7 ... 3.1 GHz	500 / 10	57 ±2.5	40 / 40	500	4 HU, 630 mm	28
BPA 2731-1000	2.7 ... 3.1 GHz	1000 / 10	60 ±2.5	40 / 40	1000	4 HU, 550 mm	30

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. für P _P -0.5 dB; infinite for no damage
Puls width:	100 µs
Pulse Droop:	1.0 dB
Spurious (at P _N):	-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 _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	

BLPA / BPA 2.7 ... 3.1 GHz Pulsed Solid State Amplifiers

OPTIONS

- | | |
|--------------------------------------|---------------------------|
| 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 |