

BLWA

80 ... 2500 MHz

Solid State

Standard Models

Model	Frequency Range	Output Power P _N min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BLWA 0825–160/100/35D	80 ... 2500 MHz	160/100/35			800	5 HU, 630 mm	40
	80 ... 400 MHz	160	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 ±2	20 / 20			
	1 ... 2.5 GHz	35	45.4 / 48 ±2	20 / 20			
BLWA 0825–160/100/70D	80 ... 2500 MHz	160/100/70			900	6 HU, 630 mm	54
	80 ... 400 MHz	160	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 ±2	20 / 20			
	1 ... 2.5 GHz	70	48.5 / 51 ±2	20 / 20			

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 _N –0.5 dB; infinite for no damage
Spurious (at P _N):	–50 dBc typ. (excluding harmonics)
Class of Operation:	A linear or A–B linear

General:

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RF Input:	N-f; standard on rear panel
RF Output:	standard on rear panel N-f (P_N up to 1 kW) 7/16-f ($P_N > 1$ kW) 13/30-f or 1 5/8" EIA ($P_N > 2$ kW)
Mains Supply:	Line Power: <1000 W 100 ... 240 V AC $\pm 10\%$ / 47 ... 63 Hz Line Power: 1000 ... 3000 W 200 ... 240 V AC $\pm 10\%$ / 47 ... 63 Hz Line Power: >3000 W 3x 400 V AC $\pm 10\%$ / 47 ... 63 Hz
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

Options:

- | | |
|--------------------------------------|---------------------------|
| A) RF Monitor Outputs | F) Gain Adjustment |
| 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 | R) RS-232C Remote Control |
| E) Power Indication (digital) | U) USB Remote Control |

Specifications are subject to change without notice

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BONN Elektronik 
RF Systems, Instruments and Components

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