

BLWA

80 ... 2000 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 0820-5	80 ... 2000 MHz	5	37 / 39 $\pm$ 2	20 / 20	150	3 HU, 350 mm	12
BLWA 0820-160/100/30D	80 ... 2000 MHz	160/100/30			900	5 HU, 630 mm	42
	80 ... 400 MHz	160	52 / 54 $\pm$ 2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 $\pm$ 2	20 / 20			
	1 ... 2 GHz	30	44.8 / 47 $\pm$ 2	20 / 20			
BLWA 0820-160/100/60D	80 ... 2000 MHz	160/100/60			900	5 HU, 630 mm	45
	80 ... 400 MHz	160	52 / 54 $\pm$ 2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 $\pm$ 2	20 / 20			
	1 ... 2 GHz	60	47.8 / 50 $\pm$ 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:

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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