

BLWA

47 ... 1000 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 0510-1	47 ... 1000 MHz	1	30 / 32 $\pm$ 2	20 / 20	75	3 HU, 350 mm	11
BLWA 0510-3	47 ... 1000 MHz	3	34.8 / 37 $\pm$ 2	20 / 20	100	3 HU, 350 mm	11
BLWA 0510-5	47 ... 1000 MHz	5	37 / 39 $\pm$ 2	20 / 20	150	3 HU, 350 mm	11
BLWA 0510-10	47 ... 1000 MHz	10	40 / 42 $\pm$ 2	20 / 20	150	3 HU, 350 mm	13
BLWA 0510-30	47 ... 1000 MHz	30	44.8 / 47 $\pm$ 2	20 / 20	200	3 HU, 350 mm	13
BLWA 0510-50	47 ... 1000 MHz	50	47 / 49 $\pm$ 2	20 / 20	400	4 HU, 550 mm	22
BLWA 0510-100	47 ... 1000 MHz	100	50 / 52 $\pm$ 2	20 / 20	900	4 HU, 550mm	26
BLWA 0510-150	47 ... 1000 MHz	150	51.8 / 54 $\pm$ 2	20 / 20	1500	5 HU, 630mm	40
BLWA 0510-350/160/100D	47 ... 1000 MHz	350/160/100			1000	8 HU, 550 mm	60
	25 ... 100 MHz	350	55.4 / 58 $\pm$ 2	20 / 15			
	100 ... 400 MHz	160	52 / 54 $\pm$ 2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 $\pm$ 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

