

BLWA

100 ... 500 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 1050–150	100 ... 500 MHz	150	51.8 / 54 ±2	20 / 15	800	4 HU, 550 mm	25
BLWA 1050–250	100 ... 500 MHz	250	54 / 56 ±2	20 / 15	1500	4 HU, 550 mm	35
BLWA 1050–500	100 ... 500 MHz	500	57 / 59 ±2	20 / 15	3000	6 HU, 630 mm	55
BLWA 1050–750	100 ... 500 MHz	750	58.8 / 61 ±2	20 / 15	4500	8 HU, 630 mm	120
BLWA 1050–1000	100 ... 500 MHz	1000	60 / 62 ±2	20 / 15	8000	16 HU, 630 mm	180
BLWA 1050–1500	100 ... 500 MHz	1500	61.8 / 64 ±2	20 / 15	10000	21 HU, 630 mm	200
BLWA 1050–2000	100 ... 500 MHz	2000	63 / 65 ±2	20 / 15	17000	29 HU, 630 mm	300
BLWA 1050–2500	100 ... 500 MHz	2500	64 / 66 ±2	20 / 15	20000	41 HU, 630 mm	400
BLWA 1050–4000	100 ... 500 MHz	4000	66 / 68 ±2	20 / 15	35000	2x32 HU, 630 mm	600
BLWA 1050–5000	100 ... 500 MHz	5000	67 / 69 ±2	20 / 15	45000	2x32 HU, 630 mm	800

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:

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

