

BLWA

200 ... 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 2050–150	200 ... 500 MHz	150	51.8 / 54 ±2	20 / 20	700	4 HU, 550 mm	23
BLWA 2050–300	200 ... 500 MHz	300	54.8 / 57 ±2	20 / 20	1500	4 HU, 630 mm	35
BLWA 2050–500	200 ... 500 MHz	500	57 / 59 ±2	20 / 20	2500	5 HU, 630 mm	43
BLWA 2050–750	200 ... 500 MHz	750	58.8 / 61 ±2	20 / 20	4000	6 HU, 630 mm	80
BLWA 2050–1000	200 ... 500 MHz	1000	60 / 62 ±2	20 / 20	6000	8 HU, 630 mm	120
BLWA 2050–1500	200 ... 500 MHz	1500	61.8 / 64 ±2	20 / 20	8000	16 HU, 630 mm	180
BLWA 2050–2000	200 ... 500 MHz	2000	63 / 65 ±2	20 / 20	10000	19 HU, 630 mm	200
BLWA 2050–2500	200 ... 500 MHz	2500	64 / 66 ±2	20 / 20	17000	29 HU, 630 mm	300
BLWA 2050–3500	200 ... 500 MHz	3500	65.4 / 68 ±2	20 / 20	20000	41 HU, 630 mm	400
BLWA 2050–4500	200 ... 500 MHz	4500	65.5 / 68 ±2	20 / 20	35000	2x32 HU, 800 mm	600
BLWA 2050–6000	200 ... 500 MHz	6000	67.8 / 70 ±2	20 / 20	45000	2x32 HU, 800 mm	600

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

BONN Elektronik GmbH – BLWA 200 ... 500 MHz

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 ±10% / 47 ... 63 Hz
Line Power: 1000 ... 3000 W
200 ... 240 V AC ±10% / 47 ... 63 Hz
Line Power: >3000 W
3x 400 V AC ±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
- B) External Dual Directional Coupler
- C) IEEE-488.2 GPIB Remote Control
- D) Front Panel RF-Connectors
- E) Power Indication (digital)
- F) Gain Adjustment
- H) DC-Supply
- I) 3x 200 V AC / 60 Hz
- R) RS-232C Remote Control
- U) USB Remote Control

Specifications are subject to change without notice

