

BLWA

25 ... 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 0310-1	25 ... 1000 MHz	1	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0310-3	25 ... 1000 MHz	3	34.8 / 37 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0310-5	25 ... 1000 MHz	5	37 / 39 ±2	20 / 20	150	3 HU, 350 mm	11
BLWA 0310-10	25 ... 1000 MHz	10	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 0310-30	25 ... 1000 MHz	30	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0310-50	25 ... 1000 MHz	50	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	22
BLWA 0310-100	25 ... 1000 MHz	100	50 / 52 ±2	20 / 20	900	4 HU, 550 mm	26
BLWA 0310-150	25 ... 1000 MHz	150	51.8 / 54 ±2	20 / 20	1500	5 HU, 630 mm	40
BLWA 0310-350/160/100D	25 ... 1000 MHz	350/160/100			1000	8 HU, 550 mm	60
	25 ... 100 MHz	350	55.4 / 58 ±2	20 / 15			
	100 ... 400 MHz	160	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 ±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

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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:

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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

