

BLWA

500 ... 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 5010-75	500 ... 1000 MHz	75	48.8 / 50 ± 2	20 / 20	500	4 HU, 550 mm	18
BLWA 5010-100	500 ... 1000 MHz	100	50 / 52 ± 2	20 / 20	500	4 HU, 550 mm	20
BLWA 5010-200	500 ... 1000 MHz	200	53 / 55 ± 2	20 / 20	900	4 HU, 550 mm	28
BLWA 5010-250	500 ... 1000 MHz	250	54 / 56 ± 2	20 / 20	1200	4 HU, 550 mm	30
BLWA 5010-350	500 ... 1000 MHz	350	55.4 / 58 ± 2	20 / 20	1500	4 HU, 550 mm	32
BLWA 5010-500	500 ... 1000 MHz	500	57 / 59 ± 2	20 / 20	1800	8 HU, 630 mm	70
BLWA 5010-700	500 ... 1000 MHz	700	58.5 / 61 ± 2	20 / 20	3500	8 HU, 630 mm	70
BLWA 5010-1000	500 ... 1000 MHz	1000	60 / 62 ± 2	20 / 20	6000	18 HU, 630 mm	150
BLWA 5010-1250	500 ... 1000 MHz	1250	61 / 63 ± 2	20 / 20	6000	18 HU, 630 mm	150
BLWA 5010-1500	500 ... 1000 MHz	1500	61.8 / 64 ± 2	20 / 20	12000	26 HU, 630 mm	250
BLWA 5010-2000	500 ... 1000 MHz	2000	63 / 65 ± 2	20 / 20	12000	26 HU, 630 mm	250
BLWA 5010-3000	500 ... 1000 MHz	3000	64.8 / 67 ± 2	20 / 20	22000	37 HU, 630 mm	450
BLWA 5010-4000	500 ... 1000 MHz	4000	66 / 68 ± 2	20 / 20	34000	37 HU, 630 mm	450

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

