

BLWA

1 ... 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 0110-1	1 ... 1000 MHz	1	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0110-3	1 ... 1000 MHz	3	34.8 / 37 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0110-5	1 ... 1000 MHz	5	37 / 37 ±2	20 / 20	150	3 HU, 350 mm	12
BLWA 0110-10	1 ... 1000 MHz	10	40 / 42 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0110-20	1 ... 1000 MHz	20	43 / 45 ±2	20 / 20	300	3 HU, 350 mm	13
BLWA 0110-30	1 ... 1000 MHz	30	44.8 / 47 ±2	20 / 20	600	4 HU, 550 mm	16
BLWA 0110-100	1 ... 1000 MHz	100	50 / 52 ±2	20 / 20	1400	4 HU, 630 mm	35
BLWA 0110-150	1 ... 1000 MHz	150	51.8 / 54 ±2	20 / 20	2500	6 HU, 630 mm	45

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 ±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	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

BONN Elektronik GmbH – BLWA 1 ... 1000 MHz



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