

BLWA

200 ... 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 2010-10	200 ... 1000 MHz	10	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 2010-30	200 ... 1000 MHz	30	44.8 / 47 ±2	20 / 15	200	3 HU, 350 mm	13
BLWA 2010-60	200 ... 1000 MHz	60	47.8 / 50 ±2	20 / 20	350	4 HU, 550 mm	19
BLWA 2010-125	200 ... 1000 MHz	125	51 / 53 ±2	20 / 15	700	4 HU, 550 mm	25
BLWA 2010-250	200 ... 1000 MHz	250	54 / 56 ±2	20 / 15	1500	5 HU, 630 mm	40
BLWA 2010-400	200 ... 1000 MHz	400	56 / 58 ±2	20 / 15	3100	9 HU, 630 mm	90
BLWA 2010-500/350D	200 ... 1000 MHz	500/350			4000	12 HU, 630 mm	110
	200 ... 500 MHz	500	57 / 59 ±2	20 / 20			
	500 ... 1000 MHz	350	55.4 / 58 ±2	20 / 20			
BLWA 2010-500D	200 ... 1000 MHz	500			4000	12 HU, 630 mm	110
	200 ... 500 MHz	500	57 / 59 ±2	20 / 20			
	500 ... 1000 MHz	500	57 / 59 ±2	20 / 20			
BLWA 2010-750	200 ... 1000 MHz	750	58.8 / 61 ±2	20 / 15	7000	18 HU, 630 mm	165
BLWA 2010-750/350D	200 ... 1000 MHz	750/350			5000	12 HU, 630 mm	120
	200 ... 500 MHz	750	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	350	55.5 / 58 ±2	20 / 20			
BLWA 2010-750/500D	200 ... 1000 MHz	750/500			5000	12 HU, 630 mm	120
	200 ... 500 MHz	750	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	500	57 / 59 ±2	20 / 20			
BLWA 2010-750/700D	200 ... 1000 MHz	750/700			5000	12 HU, 630 mm	120
	200 ... 500 MHz	750	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	700	58.5 / 61 ±2	20 / 20			

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BLWA 2010–1000/700D	200 ... 1000 MHz	1000/700			6000	15 HU, 630 mm	140
	200 ... 500 MHz	1000	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	700	58.5 / 61 ±2	20 / 20			
BLWA 2010–1000D	200 ... 1000 MHz	1000			7500	21 HU, 630 mm	230
	200 ... 500 MHz	1000	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	1000	60 / 62 ±2	20 / 20			
BLWA 2010–1500/1000D	200 ... 1000 MHz	1500/1000			10000	32 HU, 630 mm	350
	200 ... 500 MHz	1500	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	1000	60 / 62 ±2	20 / 20			
BLWA 2010–1500/700D	200 ... 1000 MHz	1500/700			10000	23 HU, 630 mm	300
	200 ... 500 MHz	1500	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	700	58.5 / 61 ±2	20 / 20			
BLWA 2010–1500D	200 ... 1000 MHz	1500			10000	37 HU, 630 mm	400
	200 ... 500 MHz	1500	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	1500	61.8 / 64 ±2	20 / 20			
BLWA 2010–2000/1000D	200 ... 1000 MHz	2000/1000			11000	37 HU, 630 mm	420
	200 ... 500 MHz	2000	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	1000	60 / 62 ±2	20 / 20			
BLWA 2010–2000/1500D	200 ... 1000 MHz	2000/1500			11000	37 HU, 630 mm	450
	200 ... 500 MHz	2000	63 / 65 ±2	20 / 20			
	500 ... 1000 MHz	1500	61.8 / 64 ±2	20 / 20			
BLWA 2010–2000D	200 ... 1000 MHz	2000			11000	2x32 HU, 800 mm	600
	200 ... 500 MHz	2000	63 / 65 ±2	20 / 20			
	500 ... 1000 MHz	2000	63 / 65 ±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:	

Spurious (at P_N):	2:1 max. for $P_N -0.5$ dB; infinite for no damage
Class of Operation:	-50 dBc typ. (excluding harmonics) 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

