

BLWA

80 ... 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 0810-10	80 ... 1000 MHz	10	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 0810-30	80 ... 1000 MHz	30	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0810-50	80 ... 1000 MHz	50	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	20
BLWA 0810-100	80 ... 1000 MHz	100	50 / 52 ±2	20 / 20	900	4 HU, 550 mm	26
BLWA 0810-160/100D	80 ... 1000 MHz	160/100			900	4 HU, 550 mm	32
	80 ... 400 MHz	160	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100	50 / 52 ±2	20 / 20			
BLWA 0810-200	80 ... 1000 MHz	200	53 / 55 ±2	20 / 20	1500	5 HU, 630 mm	42
BLWA 0810-250/200	80 ... 1000 MHz	250/200			1500	5 HU, 630 mm	42
	80 ... 400 MHz	250	54 / 56 ±2	20 / 20			
	400 ... 1000 MHz	200	53 / 55 ±2	20 / 20			
BLWA 0810-250/100D	80 ... 1000 MHz	250/100			1500	5 HU, 630 mm	40
	80 ... 400 MHz	250	54 / 56 ±2	20 / 20			
	400 ... 1000 MHz	100	50 / 52 ±2	20 / 20			
BLWA 0810-350	80 ... 1000 MHz	350	55.4 / 58 ±2	20 / 20	3100	9 HU, 630 mm	90
BLWA 0810-500/350D	80 ... 1000 MHz	500/350			3300	12 HU, 630 mm	110
	80 ... 400 MHz	500	57 / 59 ±2	20 / 15			
	400 ... 1000 MHz	350	55.4 / 58 ±2	20 / 20			
BLWA 0810-500D	80 ... 1000 MHz	500			4000	12 HU, 630 mm	110
	80 ... 400 MHz	500	57 / 59 ±2	20 / 15			
	400 ... 1000 MHz	500	57 / 59 ±2	20 / 20			
BLWA 0810-650	80 ... 1000 MHz	650	58.1 / 61 ±2	20 / 20	7000	20 HU, 630 mm	250

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BLWA 0810–750/350D	80 ... 1000 MHz	750/350			5000	13 HU, 630 mm	150
	80 ... 400 MHz	750	58.8 / 61 ±2	20 / 15			
	400 ... 1000 MHz	350	55.4 / 58 ±2	20 / 20			
BLWA 0810–750/500D	80 ... 1000 MHz	750/500			5000	13 HU, 630 mm	150
	80 ... 400 MHz	750	58.8 / 61 ±2	20 / 15			
	400 ... 1000 MHz	500	57 / 59 ±2	20 / 20			
BLWA 0810–750/700D	80 ... 1000 MHz	750/700			5000	15 HU, 630 mm	150
	80 ... 400 MHz	750	58.8 / 61 ±2	20 / 15			
	400 ... 1000 MHz	700	58.4 / 61 ±2	20 / 20			
BLWA 0810–1000/700D	80 ... 1000 MHz	1000/700			9000	15 HU, 630 mm	220
	80 ... 400 MHz	1000	60 / 62 ±2	20 / 15			
	400 ... 1000 MHz	700	58.4 / 61 ±2	20 / 20			
BLWA 0810–1000D	80 ... 1000 MHz	1000			9000	21 HU, 630 mm	220
	80 ... 400 MHz	1000	60 / 62 ±2	20 / 15			
	400 ... 1000 MHz	1000	60 / 62 ±2	20 / 20			
BLWA 0810–1500/1000D	80 ... 1000 MHz	1500/1000			11000	32 HU, 630 mm	400
	80 ... 400 MHz	1500	61.8 / 64 ±2	20 / 15			
	400 ... 1000 MHz	1000	60 / 62 ±2	20 / 20			
BLWA 0810–1500/700D	80 ... 1000 MHz	1500/700			11000	32 HU, 630 mm	370
	80 ... 400 MHz	1500	61.8 / 64 ±2	20 / 15			
	400 ... 1000 MHz	700	58.4 / 61 ±2	20 / 20			
BLWA 0810–1500D	80 ... 1000 MHz	1500			11000	37 HU, 630 mm	450
	80 ... 400 MHz	1500	61.8 / 64 ±2	20 / 15			
	400 ... 1000 MHz	1500	61.8 / 64 ±2	20 / 20			
BLWA 0810–2000/1000D	80 ... 1000 MHz	2000/1000			18000	2x32 HU, 800 mm	550
	80 ... 400 MHz	2000	63 / 65 ±2	20 / 15			
	400 ... 1000 MHz	1000	60 / 62 ±2	20 / 20			
BLWA 0810–2000/1500D	80 ... 1000 MHz	2000/1500			18000	2x32 HU, 800 mm	600
	80 ... 400 MHz	2000	63 / 65 ±2	20 / 15			
	400 ... 1000 MHz	1500	61.8 / 64 ±2	20 / 20			
BLWA 0810–2000D	80 ... 1000 MHz	2000			18000	2x32 HU, 800 mm	600
	80 ... 400 MHz	2000	63 / 65 ±2	20 / 15			
	400 ... 1000 MHz	2000	63 / 65 ±2	20 / 20			

BLWA 0810–5000/3000D	80 ... 1000 MHz	5000/3000			45000	3x37 HU, 800 mm	1200
	80 ... 400 MHz	5000	67 / 69 ±2	20 / 15			
	400 ... 1000 MHz	3000	65 / 67 ±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
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

