

STANDARD MODELS

Model	Frequency Range	Output Power $P_N$ min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 2010-10	200 ... 1000 MHz	10 / 13	40 / 42 ±2	20 / 20	150	2 HU, 430 mm	12
BLWA 2010-30	200 ... 1000 MHz	30 / 40	44.8 / 47 ±2	20 / 20	200	2 HU, 430 mm	12
BLWA 2010-40	200 ... 1000 MHz	40 / 45	46 / 48 ±2	20 / 20	300	2 HU, 430 mm	13
BLWA 2010-60	200 ... 1000 MHz	60 / 70	47.8 / 50 ±2	20 / 20	400	3 HU, 430 mm	22
BLWA 2010-125	200 ... 1000 MHz	125 / 140	51 / 53 ±2	20 / 20	800	3 HU, 630 mm	25
BLWA 2010-200/100	200 ... 1000 MHz				800	3 HU, 630 mm	24
	200 ... 500 MHz	200 / 250	53 / 55 ±2	20 / 20			
	500 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BLWA 2010-250	200 ... 1000 MHz	250 / 300	54 / 56 ±2	25 / 20	1900	4 HU, 630 mm	40
BLWA 2010-400	200 ... 1000 MHz	400 / 450	56 / 58 ±2	20 / 20	3300	9 HU, 630 mm	92
BLWA 2010-500/350D	200 ... 1000 MHz				3300	9 HU, 630 mm	95
	200 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 20			
	500 ... 1000 MHz	350 / 400	55.4 / 58 ±2	20 / 20			
BLWA 2010-750/350D	200 ... 1000 MHz				5000	13 HU, 630 mm	135
	200 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	350 / 400	55.5 / 58 ±2	20 / 20			
BLWA 2010-750/500D	200 ... 1000 MHz				5000	13 HU, 630 mm	135
	200 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20			
BLWA 2010-750/700D	200 ... 1000 MHz				5000	13 HU, 630 mm	135
	200 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	700 / 850	58.5 / 61 ±2	20 / 20			
BLWA 2010-750	200 ... 1000 MHz	750 / 850	58.8 / 61 ±2	20 / 15	7000	15 HU, 800 mm	180
BLWA 2010-1000/500D	200 ... 1000 MHz				6000	15 HU, 630 mm	140
	200 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	500 / 600	58.5 / 61 ±2	20 / 20			
BLWA 2010-1000/500	200 ... 1000 MHz				4000	6 HU, 630 mm	69
	200 ... 380 MHz	1000 / 1150	60 / 62 ±2	20 / 15			
	380 ... 500 MHz	700 / 750	58.4 / 61 ±2	20 / 20			
	500 ... 1000 MHz	500 / 550	57 / 59 ±2	20 / 20			

# BLWA 200 ... 1000 MHz Solid State Amplifiers

Model	Frequency Range	Output Power $P_N$ min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 2010-1000/700D	200 ... 1000 MHz				6000	15 HU, 630 mm	140
	200 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	700 / 850	58.5 / 61 ±2	20 / 20			
BLWA 2010-1200	200 ... 1000 MHz	1200 / 1400	60.8 / 63 ±2	20 / 20	12500	24 HU, 800 mm	250
BLWA 2010-1500/700D	200 ... 1000 MHz				10000	24 HU, 800 mm	280
	200 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	700 / 850	58.5 / 61 ±2	20 / 20			
BLWA 2010-1500/1000D	200 ... 1000 MHz				10000	41 HU, 800 mm	350
	200 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
BLWA 2010-1500D	200 ... 1000 MHz				10000	37 HU, 800 mm	400
	200 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
BLWA 2010-2000/1000	200 ... 1000 MHz				15000	24 HU, 800 mm	300
	200 ... 500 MHz	2000 / 2200	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
BLWA 2010-2000/1500	200 ... 1000 MHz				17000	24 HU, 800 mm	310
	200 ... 500 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
	500 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
BLWA 2010-2000D	200 ... 1000 MHz				11000	2x 32 HU, 800 mm	600
	200 ... 500 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
	500 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
BLWA 2010-2000	200 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20	32000	2x 24 HU, 800 mm	610
BLWA 2010-3000/2000D	200 ... 1000 MHz				25000	2x 32 HU, 800 mm	700
	200 ... 500 MHz	3000 / 3500	65 / 67 ±2	20 / 20			
	500 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
BLWA 2010-3000	200 ... 1000 MHz	3000 / 3300	64.8 / 67 ±2	20 / 20	35000	2x 24 HU, 800 mm	680
BLWA 2010-5000D	200 ... 1000 MHz				45000	3x 37 HU, 800 mm	1000
	200 ... 500 MHz	5000 / 5500	67 / 69 ±2	20 / 20			
	500 ... 1000 MHz	5000 / 5500	67 / 69 ±2	20 / 20			

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

## 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:** infinite for no damage (100% mismatch tolerant)  
 $P_N$  -0.5 dB min. at VSWR 2:1  
**Spurious (at  $P_N$ ):** -50 dBc typ. (excluding harmonics)  
**Class of Operation:** A linear or A-B linear

## GENERAL

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**RF Input:** N-f, standard on rear panel  
**RF Output:** standard on rear panel  
 $P_N$  up to 1 kW N-f  
 $P_N$  >1 kW 7-16-f  
 $P_N$  >2 kW 13-30-f or 1 5/8" EIA  
**Mains Supply:** Line Power:  
<1000 VA 100 ... 240 V AC  $\pm$ 10%  
1000 ... 3000 VA 200 ... 240 V AC  $\pm$ 10%  
>3000 VA 3x 400 V AC  $\pm$ 10%  
**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 G  
**Cooling:** forced air with integral blower  
air intake from front, air exhaust at rear

## OPTIONS

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A) RF-Sample Ports	I) 3x 208 V AC / 60 Hz
B) External Dual Directional Coupler	L) LAN Remote Control
C) IEEE-488.2 GPIB Remote Control	S) Internal RF Switching Unit
D) Front Panel RF Connectors	R) RS-232C Remote Control
E) RF Power Indication (digital)	U) USB Remote Control
F) Gain Adjustment	W) Liquid Cooling
H) DC Supply	X) External Control of other Amplifiers