

## 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 1050-150	100 ... 500 MHz	150 / 180	51.8 / 54 ±2	20 / 15	800	4 HU, 550 mm	30
BLWA 1050-250	100 ... 500 MHz	250 / 300	54 / 56 ±2	20 / 15	1500	4 HU, 550 mm	35
BLWA 1050-500	100 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 15	3000	6 HU, 630 mm	55
BLWA 1050-750	100 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 15	4500	8 HU, 630 mm	120
BLWA 1050-1000	100 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 15	8000	16 HU, 630 mm	180
BLWA 1050-1500	100 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 15	10000	21 HU, 800 mm	200
BLWA 1050-2000	100 ... 500 MHz	2000 / 2200	63 / 65 ±2	20 / 15	17000	32 HU, 800 mm	300
BLWA 1050-2500	100 ... 500 MHz	2500 / 2700	64 / 66 ±2	20 / 15	20000	41 HU, 800 mm	400
BLWA 1050-4000	100 ... 500 MHz	4000 / 4400	66 / 68 ±2	20 / 15	35000	2x 32 HU, 800 mm	600
BLWA 1050-5000	100 ... 500 MHz	5000 / 5500	67 / 69 ±2	20 / 15	45000	2x 32 HU, 800 mm	800

1 HU = 44.45mm

## 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. für $P_N$ -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
	$P_N$ 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 ±10%
	1000 ... 3000 VA    200 ... 240 V AC ±10%
	3000 VA             3x 400 V AC ±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 F

# BLWA 100 ... 500 MHz Solid State Amplifiers

**Cooling:** forced air with integral blower  
air intake from front, air exhaust at rear

## OPTIONS

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|--------------------------------------|---------------------------|
| A) RF-Sample Ports                   | H) DC Supply              |
| B) External Dual Directional Coupler | I) 3x 200 V AC / 60 Hz    |
| C) IEEE-488.2 GPIB Remote Control    | C) LAN Remote Control     |
| D) Front Panel RF Connectors         | R) RS-232C Remote Control |
| E) Power Indication (digital)        | U) USB Remote Control     |
| F) Gain Adjustment                   | W) Liquid Cooling         |