

## 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 0310-1	25 ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0310-3	25 ... 1000 MHz	3 / 3.5	34.8 / 37 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0310-5	25 ... 1000 MHz	5 / 6	37 / 39 ±2	20 / 20	150	3 HU, 350 mm	11
BLWA 0310-10	25 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	12
BLWA 0310-30	25 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0310-50	25 ... 1000 MHz	50 / 60	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	22
BLWA 0310-100	25 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	800	4 HU, 550 mm	24
BLWA 0310-150	25 ... 1000 MHz	150 / 200	51.8 / 54 ±2	20 / 20	1500	5 HU, 630 mm	40
BLWA 0310-350/160/100D	25 ... 1000 MHz				1000	8 HU, 630 mm	60
	25 ... 100 MHz	350 / 400	55.4 / 58 ±2	20 / 15			
	100 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			

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)

# BLWA 25 ... 1000 MHz Solid State Amplifiers

**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

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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