

## 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 4010-100	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	500	4 HU, 550 mm	18
BLWA 4010-125	400 ... 1000 MHz	125 / 140	51 / 53 ±2	20 / 20	500	4 HU, 550 mm	20
BLWA 4010-200	400 ... 1000 MHz	200 / 230	53 / 55 ±2	20 / 20	1000	4 HU, 550 mm	30
BLWA 4010-250	400 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20	1200	4 HU, 630 mm	32
BLWA 4010-350	400 ... 1000 MHz	350 / 400	55.4 / 58 ±2	20 / 20	2200	4 HU, 630 mm	32
BLWA 4010-500	400 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20	2700	5 HU, 630 mm	35
BLWA 4010-700	400 ... 1000 MHz	700 / 750	58.5 / 61 ±2	20 / 20	4000	8 HU, 630 mm	82
BLWA 4010-1000	400 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20	4500	8 HU, 630 mm	85
BLWA 4010-1250	400 ... 1000 MHz	1250 / 1300	61 / 63 ±2	20 / 20	6000	18 HU, 800 mm	150
BLWA 4010-1500	400 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	7500	18 HU, 800 mm	150
BLWA 4010-2000	400 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20	12000	24 HU, 800 mm	250
BLWA 4010-3000	400 ... 1000 MHz	3000 / 3300	64.8 / 67 ±2	20 / 20	15000	24 HU, 800 mm	250
BLWA 4010-4000	400 ... 1000 MHz	4000 / 4500	66 / 68 ±2	20 / 20	28000	37 HU, 800 mm	450
BLWA 4010-5000	400 ... 1000 MHz	5000 / 5500	67 / 69 ±2	20 / 20	34000	37 HU, 800 mm	450

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%

# BLWA 400 ... 1000 MHz Solid State Amplifiers

	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	
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