

## 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 0210-1	20 ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	2 HU, 430 mm	11
BLWA 0210-3	20 ... 1000 MHz	3 / 3.5	34.8 / 37 ±2	20 / 20	100	2 HU, 430 mm	11
BLWA 0210-5	20 ... 1000 MHz	5 / 6	37 / 39 ±2	20 / 20	300	2 HU, 430 mm	12
BLWA 0210-10	20 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	300	2 HU, 430 mm	12
BLWA 0210-30	20 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	300	2 HU, 430 mm	13
BLWA 0210-40	20 ... 1000 MHz	40 / 45	46 / 48 ±2	20 / 20	300	2 HU, 430 mm	13
BLWA 0210-50	20 ... 1000 MHz	50 / 60	47 / 50 ±3	20 / 12	300	2 HU, 430 mm	13
BLWA 0210-100	20 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	900	3 HU, 630 mm	26
BLWA 0210-150	20 ... 1000 MHz	150 / 200	51.8 / 54 ±2	20 / 20	2100	4 HU, 630 mm	40
BLWA 0210-300	20 ... 1000 MHz	300 / 330	54.8 / 57 ±2	20 / 15	3000	4 HU, 630 mm	42
BLWA 0210-500	20 ... 1000 MHz	500 / 550	57 / 59 ±2	20 / 15	4000	8 HU, 630 mm	58
BLWA 0210-350/200/100D	20 ... 1000 MHz				1000	8 HU, 630 mm	60
	20 ... 100 MHz	350 / 400	55.4 / 58 ±2	20 / 15			
	100 ... 400 MHz	200 / 220	53 / 55 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±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

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:

# BLWA 20 ... 1000 MHz Solid State Amplifiers

	<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 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