

## 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 0810-12000W	80 ... 1000 MHz	12000 / 13000	70.8 / 73 ±2	20 / 20	130000	4x 37 HU, 800 mm	1600

1 HU = 44.45 mm

## STANDARD SPECIFICATIONS

<b>Input Power:</b>	0 dBm (1 mW) max.
<b>Overdrive Protection:</b>	up to +10 dBm for no damage
<b>Input Impedance:</b>	50 Ohm nominal
<b>Output Impedance:</b>	50 Ohm nominal
<b>Input VSWR:</b>	<2:1 typ.
<b>Load VSWR:</b>	infinite for no damage (100% mismatch tolerant)
	$P_N$ -0.5 dB min. at VSWR 2:1
<b>Spurious (at <math>P_N</math>):</b>	-60 dBc min. (excluding harmonics)
<b>Class of Operation:</b>	A-linear or AB-linear

## GENERAL

<b>RF Input:</b>	N-f, standard on rear panel
<b>RF Output:</b>	1 5/8, standard on rear panel
<b>Mains Supply:</b>	3x 400 V AC ±10%, 47 ... 63 Hz
<b>Elapsed Time Meter:</b>	via status display
<b>Ambient Temperature:</b>	0 ... +45 °C
<b>Storage Temperature:</b>	-25 ... +85 °C
<b>Relative Humidity:</b>	up to 95% (non-condensing)
<b>Operating Altitude:</b>	up to 2000 m above sea level
<b>Vibration and Shock:</b>	MIL-STD-810 G
<b>Cooling:</b>	forced air with integral blower air intake from front, air exhaust at rear Option W: Liquid cooling External heat exchanger required

## OPTIONS

A) RF-Sample Ports	L) LAN Remote Control
B) External Dual Directional Coupler	P) Precise RMS RF Power Sensor (internal)
C) IEEE-488.2 GPIB Remote Control	R) RS-232C/RS-485 Remote Control
D) Front Panel RF Connectors	S) Internal RF Switching Unit
E) RF Power Indication (digital)	U) USB Remote Control
F) Gain Adjustment	W) Liquid Cooling

# BLWA 80 ... 1000 MHz Solid State Amplifiers

H) DC Supply  
I) 3x 208 V AC / 60 Hz

X) External Control of other Amplifiers