

## 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 4045-250	400 ... 450 MHz	250 / 300	54 / 55 ±1	15 / 15	1000	4 HU, 630 mm	38
BLWA 4045-500	400 ... 450 MHz	500 / 600	57 / 58 ±1	15 / 15	2000	5 HU, 630 mm	48
BLWA 4045-1000	400 ... 450 MHz	1000 / 1100	60 / 61 ±1	15 / 15	4000	6 HU, 630 mm	62

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)
Spurious (at $P_N$ ):	$P_N$ -0.5 dB min. at VSWR 2:1
Class of Operation:	-50 dBc typ. (excluding harmonics)
	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 G
Cooling:	forced air with integral blower
	air intake from front, air exhaust at rear

## OPTIONS

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

# BLWA 400 ... 450 MHz Solid State Amplifiers

E) RF Power Indication (digital)  
F) Gain Adjustment  
H) DC Supply

U) USB Remote Control  
W) Liquid Cooling  
X) External Control of other Amplifiers