BLWA 400 ... 450 MHz
Solid State Amplifiers

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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) 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:	
	<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
B) External Dual Directional Coupler
C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
I) 3x 208 V AC / 60 Hz
L) LAN Remote Control
S) Internal RF Switching Unit
R) RS-232C Remote Control

E) RF Power Indication (digital)
F) Gain Adjustment
H) DC Supply
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers