BLWA 80 ... 6000 MHz
Solid State Amplifiers

BONN Elektronik
RF POWER IS OUR PASSION

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 0860-250/100/50D	80 ... 6000 MHz				1400	4 HU, 630 mm	39
	80 ... 400 MHz	250 / 300	54 / 56 ±2	20 / 20			
	400 ... 1000 MHz	100 / 120	50 / 53 ±3	20 / 20			
	1000 ... 6000 MHz	50 / 55	47 / 50 ±3	20 / 20			

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): -60 dBc min. (excluding harmonics)
Class of Operation: A-linear or AB-linear

GENERAL

RF Input: N-f, standard on rear panel
RF Output: N-f, standard on rear panel
Mains Supply: 200 ... 240 V AC, 47 ... 63 Hz
Elapsed Time Meter: via status display
Ambient Temperature: 0 ... +45 °C
Storage Temperature: -25 ... +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
Option W: Liquid cooling
External heat exchanger required

OPTIONS

A) RF-Sample Ports
B) External Dual Directional Coupler
L) LAN Remote Control
P) Precise RMS RF Power Sensor (internal)

C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) RF Power Indication (digital)
F) Gain Adjustment
H) DC Supply
I) 3x 208 V AC / 60 Hz
R) RS-232C/RS-485 Remote Control
S) Internal RF Switching Unit
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers