

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 0820-150D	80 ... 2000 MHz				900	5 HU, 630 mm	38
	80 ... 500 MHz	150 / 180	51.8 / 54 ±2	20 / 15			
	500 ... 2000 MHz	150 / 180	51.8 / 54 ±2	15 / 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	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

BLWA 80 ... 2000 MHz Solid State Amplifiers

E) RF Power Indication (digital)
F) Gain Adjustment
H) DC Supply
I) 3x 208 V AC / 60 Hz

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