

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 0103-5000	1.5 ... 30 MHz	5000 / 6000	67 / 69 ±2	20 / 12	18000	21 HU, 800 mm	220

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:	1 5/8, standard on rear panel
Mains Supply:	3x 400 V AC ±10%, 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
E) RF Power Indication (digital)	U) USB Remote Control
F) Gain Adjustment	W) Liquid Cooling

BLWA 1.5 ... 30 MHz Solid State Amplifiers

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

X) External Control of other Amplifiers