

## 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 0225-5	20 ... 2500 MHz	5 / 7	37 / 40 ±3	12 / 15	70	2 HU, 430 mm	13
BLWA 0225-10	20 ... 2500 MHz	10 / 12	40 / 43 ±3	12 / 15	100	2 HU, 430 mm	13
BLWA 0225-25/20D	20 ... 2500 MHz				200	3 HU, 430 mm	15
	20 ... 500 MHz	25 / 30	44 / 46 ±2	20 / 15			
	500 ... 2500 MHz	20 / 25	43 / 45 ±2	15 / 15			
BLWA 0225-50D	20 ... 2500 MHz				400	3 HU, 430 mm	20
	20 ... 500 MHz	50 / 60	57 / 60 ±3	20 / 15			
	500 ... 2500 MHz	50 / 60	57 / 60 ±3	15 / 20			

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

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