

## 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 0103-100	1.5 ... 30 MHz	100 / 120	50 / 52 ±2	20 / 20	450	3 HU, 430 mm	16
BLWA 0103-250	1.5 ... 30 MHz	250 / 300	54 / 56 ±2	20 / 18	800	3 HU, 630 mm	22
BLWA 0103-500	1.5 ... 30 MHz	500 / 600	57 / 59 ±2	20 / 12	2000	3 HU, 630 mm	35
BLWA 0103-1000	1.5 ... 30 MHz	1000 / 1200	60 / 62 ±2	20 / 12	4500	5 HU, 630 mm	52
BLWA 0103-1500	1.5 ... 30 MHz	1500 / 2200	61.8 / 64 ±2	20 / 12	5000	7 HU, 630 mm	100
BLWA 0103-3000	1.5 ... 30 MHz	3000 / 4000	64.8 / 67 ±2	20 / 12	10000	12 HU, 800 mm	200
BLWA 0103-5000	1.5 ... 30 MHz	5000 / 6000	67 / 69 ±2	20 / 12	20000	32 HU, 800 mm	400
BLWA 0103-10000	1.5 ... 30 MHz	10000 / 12000	70 / 72 ±2	20 / 12	40000	2x 32 HU, 800 mm	800
BLWA 0103-20000	1.5 ... 30 MHz	20000 / 22000	73 / 75 ±2	20 / 12	80000	4x 32 HU, 800 mm	1600

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 |