

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 8010-10	800 ... 1000 MHz	10 / 13	40 / 42 ±2	25 / 25	75	2 HU, 430 mm	12
BLWA 8010-25	800 ... 1000 MHz	25 / 30	44 / 46 ±2	25 / 25	150	2 HU, 430 mm	12
BLWA 8010-50	800 ... 1000 MHz	50 / 60	47 / 49 ±2	50 / 50	300	3 HU, 430 mm	15
BLWA 8010-90	800 ... 1000 MHz	90 / 110	49.5 / 52 ±2	50 / 50	500	3 HU, 430 mm	18
BLWA 8010-175	800 ... 1000 MHz	175 / 190	52.4 / 55 ±2	50 / 50	1200	4 HU, 630 mm	35

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

Cellular Bands 800 ... 1000 MHz

Solid State Amplifiers

OPTIONS

- | | |
|--------------------------------------|---|
| 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 |