

Cellular Bands

800 ... 1000 MHz

Standard Models

Model	Frequency Range	Output Power P _N min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H,D) 19"-System	Weight kg
BLWA 8010–10	800 ... 1000 MHz	10	40 / 42 ±2	25 / 25	75	3 HU, 350 mm	12
BLWA 8010–25	800 ... 1000 MHz	25	44 / 46 ±2	25 / 25	150	3 HU, 350 mm	12
BLWA 8010–50	800 ... 1000 MHz	50	47 / 49 ±2	50 / 50	300	3 HU, 450 mm	15
BLWA 8010–90	800 ... 1000 MHz	90	49.5 / 52 ±2	50 / 50	500	3 HU, 550 mm	18
BLWA 8010–175	800 ... 1000 MHz	175	52.4 / 55 ±2	50 / 50	1200	4 HU, 630 mm	35

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:	2:1 max. for P _N –0.5 dB infinite for no damage
Spurious (at P _N):	–50 dBc typ.(excluding harmonics)
Class of Operation:	A–linear (GHz) A–B linear (GHz)

General:

RF Input:	N–f; standard on rear panel
RF Output:	N–f; standard on rear panel

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Mains Supply:	Line Power: <1000 W 100 ... 240 V AC \pm 10% / 47 ... 63 Hz Line Power: 1000 ... 3000 W 200 ... 240 V AC \pm 10% / 47 ... 63 Hz Line Power: >3000 W 3x 400 V AC \pm 10% / 47 ... 63 Hz
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 F
Cooling:	forced air with integral blower, air intake from front air exhaust at rear

Options:

- | | |
|--------------------------------------|---------------------------|
| A) RF Monitor Outputs | F) Gain Adjustment |
| B) External Dual Directional Coupler | G) Output Isolator |
| C) IEEE-488.2 GPIB Remote Control | H) DC-Supply |
| D) Front Panel RF-Connectors | R) RS-232C Remote Control |
| E) Power Indication (digital) | U) USB Remote Control |

Specifications are subject to change without notice

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