

# Cellular Bands

## 890 ... 960 MHz

### Standard Models

Model	Frequency Range	Output Power P <sub>N</sub> min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H,D) 19"-System	Weight kg
BLWA 8996–10	890 ... 960 MHz	10	40 / 42 ±2	25 / 25	75	3 HU, 350 mm	12
BLWA 8996–25	890 ... 960 MHz	25	44 / 46 ±2	25 / 25	150	3 HU, 350 mm	12
BLWA 8996–50	890 ... 960 MHz	50	47 / 49 ±2	50 / 50	300	3 HU, 450 mm	15
BLWA 8996–100	890 ... 960 MHz	100	50 / 52 ±2	50 / 50	500	3 HU, 550 mm	18
BLWA 8996–200	890 ... 960 MHz	200	53 / 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 <sub>N</sub> –0.5 dB infinite for no damage
Spurious (at P <sub>N</sub> ):	–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

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



Rudolf-Diesel-Str.18 · D-85521 Ottobrunn · Tel +49 (0)89/608 754-0 · Fax +49 (0)89/608 754-99  
email: [info@bonn-elektronik.com](mailto:info@bonn-elektronik.com) · home: [www.bonn-elektronik.com](http://www.bonn-elektronik.com)