

### 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 8996-10	890 ... 960 MHz	10 / 13	40 / 42 ±2	25 / 25	75	3 HU, 350 mm	12
BLWA 8996-25	890 ... 960 MHz	25 / 30	44 / 46 ±2	25 / 25	150	3 HU, 350 mm	12
BLWA 8996-50	890 ... 960 MHz	50 / 60	47 / 49 ±2	50 / 50	300	3 HU, 550 mm	15
BLWA 8996-100	890 ... 960 MHz	100 / 115	50 / 52 ±2	50 / 50	500	3 HU, 550 mm	18
BLWA 8996-200	890 ... 960 MHz	200 / 220	53 / 55 ±2	50 / 50	1200	4 HU, 630 mm	35

1 HU = 44.45mm

### 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. für $P_N$ -0.5 dB;
	infinite for no damage
Spurious (at $P_N$ ):	-50 dBc typ. (excluding harmonics)
Noise:	1 ... 18 GHz      -20 dBm / MHz
	18 ... 40 GHz     -35 dBm / MHz
Class of Operation:	A-linear

### GENERAL

RF Input:	1 ... 18 GHz	N-f; standard on rear panel
	18 ... 40 GHz	2.92 mm-f; standard on rear panel
RF Output:	1 ... 8 GHz	N-f
	6 ... 18 GHz	WRD 650
	8 ... 18 GHz	WRD 750
	18 ... 40 GHz	WRD 180
Sample Port:	-50 dB forward	
Mains Supply:	200 ... 264 V AC	47 ... 63 Hz
Ambient Temperature:	0 ... +40 °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:	normal laboratory environment	
Cooling:	forced air with integral blower air intake and exhaust at rear	

# Cellular Bands 890 ... 960 MHz Solid State Amplifiers

## OPTIONS

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