

# Cellular Bands

## 1,7 ... 1,9 GHz

### 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
BLMA 1719-10	1,7 ... 1,9 GHz	10	40 / 42 ±2	50 / 50	75	3 HU, 350 mm	12
BLMA 1719-20	1,7 ... 1,9 GHz	20	43 / 45 ±2	50 / 50	180	3 HU, 350 mm	13
BLMA 1719-40	1,7 ... 1,9 GHz	40	46 / 48 ±2	50 / 50	350	3 HU, 450 mm	16
BLMA 1719-80	1,7 ... 1,9 GHz	80	49 / 51 ±2	50 / 50	650	4 HU, 550 mm	25
BLMA 1719-150	1,7 ... 1,9 GHz	150	51.8 / 54 ±2	50 / 50	1500	4 HU, 630 mm	40

### 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

BONN Elektronik GmbH – Cellular Bands 1,7 ... 1,9 GHz

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

BONN Elektronik GmbH – Cellular Bands 1,7 ... 1,9 GHz



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)