

# BLMA

0,5 ... 2,5 GHz

Solid State

**Standard Models**

| Model        | Frequency Range | Output Power<br>$P_N$ min<br>W | Gain<br>min / typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>W | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|--------------|-----------------|--------------------------------|-------------------------|-------------------------------|-----------------|------------------------------------|--------------|
| BLMA 0525-20 | 0,5 ... 2,5 GHz | 20                             | 43 / 45                 | 20 / 20                       | 150             | 3 HU, 350 mm                       | 12           |

**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<br>infinite for no damage |
| Spurious (at $P_N$ ): | -50 dBc typ. (excluding harmonics)                   |
| Class of Operation:   | A-linear                                             |

**General:**

|               |                                                                                                                                |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| RF Input:     | N-f (<8 GHz), standard on rear panel<br>SMA-f (8 to 18 GHz), standard on front panel<br>K-f (>18 GHz), standard on front panel |
| RF Output:    | N-f (<8 GHz), standard on rear panel<br>SMA-f (8 to 18 GHz), standard on front panel<br>K-f (>18 GHz), standard on front panel |
| Mains Supply: | Line Power: <1000 W<br>100 ... 240 V AC $\pm 10\%$ / 47 ... 63 Hz                                                              |

BONN Elektronik GmbH – BLMA 0,5 ... 2,5 GHz

|                                            |                                                                               |
|--------------------------------------------|-------------------------------------------------------------------------------|
| 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      |                                                                               |
| 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 F                                                                 |
| Cooling:                                   | forced air with integral blower,<br>air intake from front air exhaust at rear |

**Options:**

- |                                      |                           |
|--------------------------------------|---------------------------|
| A) RF Monitor Outputs                | G) Output Isolator        |
| B) External Dual Directional Coupler | H) DC-Supply              |
| C) IEEE-488.2 GPIB Remote Control    | I) 3x 200 V AC / 60 Hz    |
| D) Front Panel RF-Connectors         | R) RS-232C Remote Control |
| E) Power Indication (digital)        | U) USB Remote Control     |
| F) Gain Adjustment                   |                           |

Specifications are subject to change without notice