

BLMA

0,5 ... 2 GHz

Solid State

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 |
|--------------|-----------------|---|-------------------------|-------------------------------|-----------------|------------------------------------|--------------|
| BLMA 0520-1 | 0,5 ... 2 GHz | 1 | 30 / 32 ±2 | 20 / 20 | 50 | 3 HU, 350 mm | 11 |
| BLMA 0520-3 | 0,5 ... 2 GHz | 3 | 34.8 / 37 ±2 | 15 / 20 | 80 | 3 HU, 350 mm | 12 |
| BLMA 0520-10 | 0,5 ... 2 GHz | 10 | 40 / 42 ±2 | 15 / 20 | 200 | 3 HU, 350 mm | 14 |

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 |

General:

| | |
|------------|--|
| RF Input: | N-f (<8 GHz), standard on rear panel SMA-f (8 to 18 GHz), standard on front panel K-f (>18 GHz), standard on front panel |
| RF Output: | N-f (<8 GHz), standard on rear panel SMA-f (8 to 18 GHz), standard on front panel K-f (>18 GHz), standard on front 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 |
| 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, 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

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