

BLMA

0,8 ... 2,2 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 0822-1 | 0,8 ... 2,2 GHz | 1 | 30 / 32 ±2 | 20 / 20 | 75 | 3 HU, 350 mm | 11 |
| BLMA 0822-3 | 0,8 ... 2,2 GHz | 3 | 34.8 / 37 ±2 | 20 / 20 | 75 | 3 HU, 350 mm | 11 |
| BLMA 0822-7 | 0,8 ... 2,2 GHz | 7 | 38.5 / 41 ±2 | 20 / 20 | 75 | 3 HU, 350 mm | 11 |
| BLMA 0822-10 | 0,8 ... 2,2 GHz | 10 | 40 / 42 ±2 | 20 / 20 | 150 | 3 HU, 350 mm | 11 |
| BLMA 0822-25 | 0,8 ... 2,2 GHz | 25 | 44 / 46 ±2 | 20 / 20 | 200 | 3 HU, 350 mm | 11 |
| BLMA 0822-50 | 0,8 ... 2,2 GHz | 50 | 47 / 49 ±2 | 20 / 20 | 350 | 3 HU, 630 mm | 18 |
| BLMA 0822-100 | 0,8 ... 2,2 GHz | 100 | 50 / 52 ±2 | 20 / 20 | 700 | 3 HU, 630 mm | 22 |
| BLMA 0822-200 | 0,8 ... 2,2 GHz | 200 | 53 / 55 ±2 | 20 / 20 | 1200 | 3 HU, 630 mm | 26 |
| BLMA 0822-400 | 0,8 ... 2,2 GHz | 400 | 56 / 58 ±2 | 20 / 20 | 2600 | 6 HU, 630 mm | 50 |
| BLMA 0822-750 | 0,8 ... 2,2 GHz | 750 | 58.8 / 61 ±2 | 20 / 20 | 6000 | 15 HU, 630 mm | 150 |

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

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

