

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 |
|---------------|-----------------|--------------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| BLMA 0827-1 | 0.8 ... 2.7 GHz | 1 / 1.3 | 30 / 32 ±2 | 20 / 20 | 70 | 3 HU, 350 mm | 11 |
| BLMA 0827-3 | 0.8 ... 2.7 GHz | 3 / 3.5 | 34.8 / 37 ±2 | 20 / 20 | 70 | 3 HU, 350 mm | 11 |
| BLMA 0827-5 | 0.8 ... 2.7 GHz | 5 / 6 | 37 / 39 ±2 | 20 / 20 | 70 | 3 HU, 350 mm | 12 |
| BLMA 0827-15 | 0.8 ... 2.7 GHz | 15 / 18 | 41.7 / 44 ±2 | 20 / 20 | 200 | 3 HU, 350 mm | 11 |
| BLMA 0827-30 | 0.8 ... 2.7 GHz | 30 / 35 | 43.8 / 46 ±2 | 20 / 20 | 350 | 3 HU, 630 mm | 18 |
| BLMA 0827-55 | 0.8 ... 2.7 GHz | 55 / 70 | 47.4 / 50 ±2 | 20 / 20 | 800 | 3 HU, 630 mm | 22 |
| BLMA 0827-110 | 0.8 ... 2.7 GHz | 110 / 140 | 50.4 / 53 ±2 | 20 / 20 | 1200 | 3 HU, 630 mm | 26 |
| BLMA 0827-220 | 0.8 ... 2.7 GHz | 220 / 250 | 53.4 / 56 ±2 | 20 / 20 | 1600 | 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) |
| Class of Operation: | A-linear |

GENERAL

| | | |
|----------------------|------------------------------|------------------------------------|
| RF Input: | <8 GHz | N-f, standard on rear panel |
| | 8 bis 18 GHz | SMA-f, standard on front panel |
| | >18 GHz | 2.92 mm-f, standard on front panel |
| RF Output: | <8 GHz | N-f, standard on rear panel |
| | 8 to 18 GHz | SMA-f, standard on front panel |
| | >18 GHz | 2.92 mm-f, standard on front panel |
| Mains Supply: | BLMA 2640-2 | WR-28, standard on front panel |
| | Line Power: | |
| | Line Power | |
| | <1000 VA | 100 ... 240 V AC ±10% |
| | 1000 ... 3000 VA | 200 ... 240 V AC ±10% |
| | >3000 VA | 3x 400 V AC ±10% |
| 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 | |

BLMA 0.8 ... 2.7 GHz Solid State Amplifiers

Cooling: forced air with integral blower
air intake from front, air exhaust at rear

OPTIONS

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