

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 0822-1 | 0.8 ... 2.2 GHz | 1 / 1.3 | 30 / 32 ±2 | 20 / 20 | 75 | 3 HU, 350 mm | 11 |
| BLMA 0822-3 | 0.8 ... 2.2 GHz | 3 / 3.5 | 34.8 / 37 ±2 | 20 / 20 | 75 | 3 HU, 350 mm | 11 |
| BLMA 0822-7 | 0.8 ... 2.2 GHz | 7 / 8 | 38.5 / 41 ±2 | 20 / 20 | 75 | 3 HU, 350 mm | 11 |
| BLMA 0822-10 | 0.8 ... 2.2 GHz | 10 / 12 | 40 / 42 ±2 | 20 / 20 | 150 | 3 HU, 350 mm | 11 |
| BLMA 0822-30 | 0.8 ... 2.2 GHz | 30 / 35 | 44.8 / 47 ±2 | 20 / 20 | 200 | 3 HU, 350 mm | 11 |
| BLMA 0822-50 | 0.8 ... 2.2 GHz | 50 / 60 | 47 / 49 ±2 | 20 / 20 | 350 | 3 HU, 630 mm | 18 |
| BLMA 0822-100 | 0.8 ... 2.2 GHz | 100 / 120 | 50 / 52 ±2 | 20 / 20 | 700 | 3 HU, 630 mm | 22 |
| BLMA 0822-200 | 0.8 ... 2.2 GHz | 200 / 240 | 53 / 55 ±2 | 20 / 20 | 1200 | 3 HU, 630 mm | 26 |
| BLMA 0822-400 | 0.8 ... 2.2 GHz | 400 / 450 | 56 / 58 ±2 | 20 / 20 | 2600 | 6 HU, 630 mm | 50 |
| BLMA 0822-750 | 0.8 ... 2.2 GHz | 750 / 900 | 58.8 / 61 ±2 | 20 / 20 | 6000 | 15 HU, 630 mm | 150 |

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 |
| | BLMA 2640-2 | WR-28, standard on front panel |
| Mains Supply: | 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 | |

BLMA 0.8 ... 2.2 GHz Solid State Amplifiers

| | |
|----------------------|---|
| 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-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 | |