

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 0825-1 | 0.8 ... 2.5 GHz | 1 / 1.3 | 30 / 32 ±2 | 20 / 20 | 75 | 2 HU, 430 mm | 11 |
| BLMA 0825-3 | 0.8 ... 2.5 GHz | 3 / 3.5 | 34.8 / 37 ±2 | 20 / 20 | 75 | 2 HU, 430 mm | 11 |
| BLMA 0825-5 | 0.8 ... 2.5 GHz | 5 / 6 | 37 / 39 ±2 | 20 / 20 | 75 | 2 HU, 430 mm | 12 |
| BLMA 0825-10 | 0.8 ... 2.5 GHz | 10 / 13 | 40 / 42 ±2 | 12 / 20 | 150 | 2 HU, 430 mm | 13 |
| BLMA 0825-20 | 0.8 ... 2.5 GHz | 20 / 25 | 43 / 45 ±2 | 20 / 20 | 250 | 2 HU, 430 mm | 13 |
| BLMA 0825-40 | 0.8 ... 2.5 GHz | 40 / 50 | 46 / 48 ±2 | 20 / 20 | 350 | 3 HU, 630 mm | 18 |
| BLMA 0825-75 | 0.8 ... 2.5 GHz | 75 / 90 | 58.8 / 51 ±2 | 20 / 20 | 800 | 3 HU, 630 mm | 22 |
| BLMA 0825-150 | 0.8 ... 2.5 GHz | 150 / 180 | 51.8 / 54 ±2 | 20 / 20 | 1200 | 3 HU, 630 mm | 26 |
| BLMA 0825-150S | 0.8 ... 2.5 GHz | 150 / 180 | 51.8 / 54 ±2 | 18 / 20 | 1100 | 3 HU, 630 mm | 25 |
| BLMA 0825-200 | 0.8 ... 2.5 GHz | 200 / 220 | 53 / 55 ±2 | 20 / 20 | 1600 | 4 HU, 630 mm | 35 |
| BLMA 0825-250 | 0.8 ... 2.5 GHz | 250 / 300 | 54 / 56 ±2 | 12 / 15 | 2000 | 4 HU, 630 mm | 36 |
| BLMA 0825-300 | 0.8 ... 2.5 GHz | 300 / 350 | 54.8 / 57 ±2 | 20 / 20 | 2400 | 6 HU, 630 mm | 52 |
| BLMA 0825-300S | 0.8 ... 2.5 GHz | 300 / 350 | 54.8 / 57 ±2 | 15 / 20 | 2000 | 4 HU, 630 mm | 36 |
| BLMA 0825-500S | 0.8 ... 2.5 GHz | 500 / 650 | 57 / 59 ±2 | 18 / 20 | 3500 | 9 HU, 630 mm | 86 |
| BLMA 0825-500 | 0.8 ... 2.5 GHz | 500 / 550 | 57 / 59 ±2 | 20 / 20 | 5000 | 12 HU, 800 mm | 105 |
| BLMA 0825-750 | 0.8 ... 2.5 GHz | 750 / 850 | 58.8 / 61 ±2 | 18 / 20 | 4500 | 9 HU, 630 mm | 105 |

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

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: | infinite for no damage (100% mismatch tolerant) |
| | P_N -0.5 dB min. at VSWR 2:1 |
| Spurious (at P_N): | -50 dBc typ. (excluding harmonics) |
| Class of Operation: | A-linear or AB-linear |

GENERAL

| | | |
|-----------|---------------|------------------------------------|
| RF Input: | <12 GHz | N-f, standard on rear panel |
| | 12 bis 18 GHz | SMA-f, standard on front panel |
| | >18 GHz | 2.92 mm-f, standard on front panel |

BLMA 0.8 ... 2.5 GHz Solid State Amplifiers

| | | |
|-----------------------------|---|------------------------------------|
| RF Output: | <12 GHz | N-f, standard on rear panel |
| | 12 to 18 GHz | SMA-f, standard on front panel |
| | >18 GHz | 2.92 mm-f, standard on front panel |
| Mains Supply: | Line Power: | |
| | Line Power | |
| | <800 VA | 100 ... 240 V AC ±10% |
| | 800 ... 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 | |
| Cooling: | forced air with integral blower air intake from front, air exhaust at rear | |

OPTIONS

| | |
|--------------------------------------|--|
| A) RF-Sample Ports *) | L) LAN Remote Control |
| B) External Dual Directional Coupler | N) Harmonics Filtering *) |
| C) IEEE-488.2 GPIB Remote Control | R) RS-232C Remote Control |
| D) Front Panel RF Connectors | S) Internal RF Switching Unit *) |
| E) RF Power Indication (digital) *) | U) USB Remote Control |
| F) Gain Adjustment *) | W) Liquid Cooling |
| G) Output Isolator *) | X) External Control of other Amplifiers |
| H) DC Supply | |
| I) 3x 208 V AC / 60 Hz | *) These options may reduce output power and/or gain |