

## STANDARD MODELS

| Model         | Frequency Range | Output Power<br>$P_N$ min / typ<br>W | Gain<br>min / typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>VA | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|---------------|-----------------|--------------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| BLMA 0822-1   | 0.8 ... 2.2 GHz | 1 / 1.3                              | 30 / 32 ±2              | 20 / 20                       | 75               | 2 HU, 430 mm                       | 11           |
| BLMA 0822-3   | 0.8 ... 2.2 GHz | 3 / 3.5                              | 34.8 / 37 ±2            | 20 / 20                       | 75               | 2 HU, 430 mm                       | 11           |
| BLMA 0822-7   | 0.8 ... 2.2 GHz | 7 / 8                                | 38.5 / 41 ±2            | 20 / 20                       | 75               | 2 HU, 430 mm                       | 11           |
| BLMA 0822-10  | 0.8 ... 2.2 GHz | 10 / 12                              | 40 / 42 ±2              | 20 / 20                       | 150              | 2 HU, 430 mm                       | 11           |
| BLMA 0822-30  | 0.8 ... 2.2 GHz | 30 / 35                              | 44.8 / 47 ±2            | 15 / 20                       | 220              | 2 HU, 430 mm                       | 12           |
| BLMA 0822-50  | 0.8 ... 2.2 GHz | 50 / 60                              | 47 / 49 ±2              | 20 / 20                       | 350              | 3 HU, 430 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          |

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 |
| 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       |                                    |

# BLMA 0.8 ... 2.2 GHz Solid State Amplifiers

|                      |   |
|----------------------|---|
| 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 G   |
| Cooling:             | forced air with integral blower<br>air intake from front, air exhaust at rear |

## OPTIONS

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