

## 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 6018-0.5 | 6 ... 18 GHz    | 0.5 / 0.6                            | 27 / 29 ±2              | 20 / 20                       | 40               | 2 HU, 430 mm                       | 11           |
| BLMA 6018-1   | 6 ... 18 GHz    | 1 / 1.2                              | 30 / 32 ±2              | 20 / 20                       | 40               | 2 HU, 430 mm                       | 11           |
| BLMA 6018-2   | 6 ... 18 GHz    | 2 / 2.3                              | 33 / 35 ±2              | 15 / 20                       | 50               | 2 HU, 430 mm                       | 11           |
| BLMA 6018-4   | 6 ... 18 GHz    | 4 / 5                                | 36 / 39 ±3              | 15 / 20                       | 150              | 2 HU, 430 mm                       | 11           |
| BLMA 6018-5   | 6 ... 18 GHz    | 5 / 6                                | 37 / 40 ±3              | 15 / 20                       | 160              | 2 HU, 430 mm                       | 11           |
| BLMA 6018-7   | 6 ... 18 GHz    | 7 / 8                                | 38.5 / 43 ±4            | 15 / 20                       | 200              | 2 HU, 430 mm                       | 11           |
| BLMA 6018-10  | 6 ... 18 GHz    | 10 / 13                              | 40 / 44 ±4              | 15 / 20                       | 220              | 2 HU, 430 mm                       | 13           |
| BLMA 6018-15  | 6 ... 18 GHz    | 20 / 18                              | 41.8 / 46 ±4            | 15 / 20                       | 400              | 2 HU, 430 mm                       | 14           |
| BLMA 6018-20  | 6 ... 18 GHz    | 20 / 22                              | 43 / 47 ±4              | 18 / 20                       | 400              | 2 HU, 430 mm                       | 14           |
| BLMA 6018-35  | 6 ... 18 GHz    | 35 / 40                              | 45.4 / 50 ±4            | 18 / 20                       | 800              | 3 HU, 430 mm                       | 21           |
| BLMA 6018-60  | 6 ... 18 GHz    | 60 / 65                              | 47.8 / 52 ±4            | 18 / 20                       | 1250             | 4 HU, 630 mm                       | 39           |
| BLMA 6018-100 | 6 ... 18 GHz    | 100 / 110                            | 50 / 54 ±4              | 18 / 20                       | 2500             | 6 HU, 630 mm                       | 72           |

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)<br>$P_N$ -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%              |

# BLMA 6 ... 18 GHz Solid State Amplifiers

|                      |   |                  |
|----------------------|---|------------------|
|                      | >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<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