

### 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 2527-300 | 2.5 ... 2.7 GHz | 300 / 350                            | 54.8 / 57 ±2            | 40 / 40                       | 1500             | 4 HU, 630 mm                       | 35           |
| BLMA 2527-600 | 2.5 ... 2.7 GHz | 600 / 650                            | 57.8 / 60 ±2            | 40 / 40                       | 3000             | 5 HU, 630 mm                       | 52           |

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<br>12 bis 18 GHz<br>>18 GHz   | N-f, standard on rear panel<br>SMA-f, standard on front panel<br>2.92 mm-f, standard on front panel |
| RF Output:           | <12 GHz<br>12 to 18 GHz<br>>18 GHz  | N-f, standard on rear panel<br>SMA-f, standard on front panel<br>2.92 mm-f, standard on front panel |
| Mains Supply:        | Line Power:<br>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 G   |   |
| Cooling:             | forced air with integral blower<br>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 *) |

# Cellular Bands 2.5 ... 2.7 GHz

## Solid State Amplifiers

E) RF Power Indication (digital) \*)  
F) Gain Adjustment \*)  
G) Output Isolator \*)  
H) DC Supply  
I) 3x 208 V AC / 60 Hz

U) USB Remote Control  
W) Liquid Cooling  
X) External Control of other Amplifiers

\*) These options may reduce output power and/or gain