

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 0742-100 | 0.7 ... 4.2 GHz | 100 / 120 | 50 / 53 ±3 | 15 / 20 | 700 | 2 HU, 430 mm | 14 |

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): | -60 dBc min. (excluding harmonics) |
| Class of Operation: | A-linear or AB-linear |

GENERAL

| | |
|----------------------|---|
| RF Input: | N-f, standard on rear panel |
| RF Output: | N-f, standard on rear panel |
| Mains Supply: | 100 ... 240 V AC, 47 ... 63 Hz |
| Elapsed Time Meter: | via status display |
| Ambient Temperature: | 0 ... +45 °C |
| Storage Temperature: | -25 ... 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 air intake from front, air exhaust at rear Option W: Liquid cooling External heat exchanger required |

OPTIONS

| | |
|--------------------------------------|---|
| A) RF-Sample Ports *) | N) Harmonics Filtering *) |
| B) External Dual Directional Coupler | P) Precise RMS RF Power Sensor (internal) |
| C) IEEE-488.2 GPIB Remote Control | R) RS-232C/RS-485 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 |

BLMA 0.7 ... 4.2 GHz Solid State Amplifiers

G) Output Isolator *)
H) DC Supply
I) 3x 208 V AC / 60 Hz
L) LAN Remote Control

X) External Control of other Amplifiers

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