

EMI Preamplifiers 18 ... 26.5 GHz

LNAs with optional Antennas

STANDARD MODELS

| Model | Frequency Range | Output Power P _N min dBm | Gain min / typ dB | Noise Figure dB | Dimensions (W, D, H) mm | Weight kg |
|--------------|-----------------|---|-------------------------|--------------------|-------------------------------|--------------|
| BLMA 1826-1M | 18 ... 26.5 GHz | +10 | 40 / 42 ±2 | 2.5 | 144 x 93 x 65 | 1 |
| BLMA 1826-2M | 18 ... 26.5 GHz | +10 | 30 / 32 ±2 | 2.5 | 144 x 93 x 65 | 1 |
| BLMA 1826-3A | 18 ... 26.5 GHz | +10 | 30 / 32 ±2 | 3 | 144 x 93 x 65 | 1 |
| BLMA 1826-4A | 18 ... 26.5 GHz | +10 | 38 / 40 ±2 | 3 | 144 x 93 x 65 | 1 |
| BLMA 1826-4M | 18 ... 26.5 GHz | +10 | 42 / 44 ±2 | 1.8 | 144 x 93 x 65 | 1 |
| BLMA 1826-5A | 18 ... 26.5 GHz | +10 | 50 / 52 ±2 | 3 | 144 x 93 x 65 | 1 |

STANDARD SPECIFICATIONS

| | |
|---------------------|------------------------------------|
| Input Impedance: | 50 Ohm nominal |
| Load VSWR: | <2.5:1 typ. |
| Spurious: | -50 dBc typ. (excluding harmonics) |
| Harmonics: | -20 dBc min. |
| Class of Operation: | A-linear |

GENERAL

| | | |
|----------------------|-------------------------------|----------------|
| RF Input: | <18 GHz | precision N-m< |
| | 18 GHz | horn antenna |
| RF Output: | <18 GHz | precision N-f |
| | >18 GHz | 2.92 mm-f |
| Mains Supply: | Linear regulated power supply | |
| | 230 V AC | 47 ... 63 Hz |
| Power Consumption: | <10 W | |
| Conformity: | CE (EN 55022, CISPR 22) | |
| 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 | |

OPTIONS

| | |
|---|--|
| for civil applications | for MIL-compliant measurements |
| for basic laboratory measurements (economic) | |
| Bluetooth for measurements of bluetooth systems | |
| (including filter) | 1) Bluetooth filter limits the useable |