

# BLMA

## 6 ... 18 GHz

Solid State

### Standard Models

Model	Frequency Range	Output Power P <sub>N</sub> min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BLMA 6018-0.5	6 ... 18 GHz	0.5	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 6018-1	6 ... 18 GHz	1	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 6018-2	6 ... 18 GHz	2	33 / 35 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 6018-4	6 ... 18 GHz	4	36 / 38 ±2	20 / 20	150	3 HU, 350 mm	11
BLMA 6018-7	6 ... 18 GHz	7	38.5 / 41 ±2	20 / 20	180	3 HU, 350 mm	12
BLMA 6018-10	6 ... 18 GHz	10	40 / 42 ±2	20 / 20	250	3 HU, 350 mm	12

### 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:	2:1 max. for P <sub>N</sub> -0.5 dB infinite for no damage
Spurious (at P <sub>N</sub> ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear

### General:

RF Input:	N-f (<8 GHz), standard on rear panel SMA-f (8 to 18 GHz), standard on front panel
-----------	--

BONN Elektronik GmbH – BLMA 6 ... 18 GHz

RF Output:	K-f (>18 GHz), standard on front panel N-f (<8 GHz), standard on rear panel SMA-f (8 to 18 GHz), standard on front panel K-f (>18 GHz), standard on front panel
Mains Supply:	Line Power: <1000 W 100 ... 240 V AC $\pm$ 10% / 47 ... 63 Hz Line Power: 1000 ... 3000 W 200 ... 240 V AC $\pm$ 10% / 47 ... 63 Hz Line Power: >3000 W 3x 400 V AC $\pm$ 10% / 47 ... 63 Hz
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, air intake from front air exhaust at rear

**Options:**

- |                                      |                           |
|--------------------------------------|---------------------------|
| A) RF Monitor Outputs                | G) Output Isolator        |
| B) External Dual Directional Coupler | H) DC-Supply              |
| C) IEEE-488.2 GPIB Remote Control    | I) 3x 200 V AC / 60 Hz    |
| D) Front Panel RF-Connectors         | R) RS-232C Remote Control |
| E) Power Indication (digital)        | U) USB Remote Control     |
| F) Gain Adjustment                   |                           |

Specifications are subject to change without notice

BONN Elektronik GmbH – BLMA 6 ... 18 GHz



Rudolf-Diesel-Str.18 · D-85521 Ottobrunn · Tel +49 (0)89/608 754-0 · Fax +49 (0)89/608 754-99  
email: [info@bonn-elektronik.com](mailto:info@bonn-elektronik.com) · home: [www.bonn-elektronik.com](http://www.bonn-elektronik.com)