

# BLMA

0,8 ... 4,2 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 0842-1	0,8 ... 4,2 GHz	1	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0842-3	0,8 ... 4,2 GHz	3	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0842-5	0,8 ... 4,2 GHz	5	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	12
BLMA 0842-10	0,8 ... 4,2 GHz	10	40 / 42 ±2	20 / 20	300	3 HU, 550 mm	16
BLMA 0842-20	0,8 ... 4,2 GHz	20	43 / 45 ±2	20 / 20	400	4 HU, 550 mm	24
BLMA 0842-40	0,8 ... 4,2 GHz	40	46 / 48 ±2	20 / 20	1500	4 HU, 630 mm	35
BLMA 0842-80	0,8 ... 4,2 GHz	80	49 / 51 ±2	20 / 20	2500	6 HU, 630 mm	60

## 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:

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RF Input:	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
RF Output:	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

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