

BLMA

4 ... 10 GHz

Solid State

Standard Models

Model	Frequency Range	Output Power P_N min W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BLMA 4010-0.5	4 ... 10 GHz	0.5	27 / 29 $\pm$ 2	20 / 20	75	3 HU, 350 mm	11
BLMA 4010-1	4 ... 10 GHz	1	30 / 32 $\pm$ 2	20 / 20	75	3 HU, 350 mm	11
BLMA 4010-2	4 ... 10 GHz	2	33 / 35 $\pm$ 2	20 / 20	90	3 HU, 350 mm	11
BLMA 4010-6	4 ... 10 GHz	6	37.8 / 40 $\pm$ 2	20 / 20	200	3 HU, 350 mm	13

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_N -0.5 dB infinite for no damage
Spurious (at P_N):	-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 K-f (>18 GHz), standard on front panel
RF Output:	N-f (<8 GHz), standard on rear panel

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Mains Supply:

SMA-f (8 to 18 GHz), standard on front panel
K-f (>18 GHz), standard on front panel

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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