

BLMA

1 ... 2 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 1020-1	1 ... 2 GHz	1	30 / 32 $\pm$ 2	20 / 20	50	3 HU, 350 mm	11
BLMA 1020-3	1 ... 2 GHz	3	34.8 / 37 $\pm$ 2	20 / 20	50	3 HU, 350 mm	11
BLMA 1020-5	1 ... 2 GHz	5	37 / 39 $\pm$ 2	20 / 20	100	3 HU, 350 mm	11
BLMA 1020-10	1 ... 2 GHz	10	40 / 42 $\pm$ 2	20 / 20	150	3 HU, 350 mm	11
BLMA 1020-30	1 ... 2 GHz	30	44.8 / 47 $\pm$ 2	20 / 20	180	3 HU, 350 mm	11
BLMA 1020-60	1 ... 2 GHz	60	47.8 / 50 $\pm$ 2	20 / 20	350	3 HU, 550 mm	22
BLMA 1020-100	1 ... 2 GHz	100	50 / 52 $\pm$ 2	20 / 20	600	3 HU, 630 mm	26
BLMA 1020-120	1 ... 2 GHz	120	50.8 / 53 $\pm$ 2	20 / 20	700	3 HU, 630 mm	26
BLMA 1020-200	1 ... 2 GHz	200	53 / 55 $\pm$ 2	20 / 20	1200	3 HU, 630 mm	28
BLMA 1020-240	1 ... 2 GHz	240	53.8 / 56 $\pm$ 2	20 / 20	1800	3 HU, 630 mm	28
BLMA 1020-400	1 ... 2 GHz	400	56 / 58 $\pm$ 2	20 / 20	2600	7 HU, 630 mm	55
BLMA 1020-450	1 ... 2 GHz	450	56.5 / 59 $\pm$ 2	20 / 20	3500	7 HU, 630 mm	55
BLMA 1020-550	1 ... 2 GHz	550	57.4 / 60 $\pm$ 2	20 / 20	4500	12 HU, 630 mm	120
BLMA 1020-600	1 ... 2 GHz	600	57.8 / 60 $\pm$ 2	20 / 20	5000	12 HU, 630 mm	120
BLMA 1020-750	1 ... 2 GHz	750	58.8 / 61 $\pm$ 2	20 / 20	6000	15 HU, 630 mm	150
BLMA 1020-850	1 ... 2 GHz	850	59.3 / 62 $\pm$ 2	20 / 20	7000	15 HU, 630 mm	150

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 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:

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|--------------------------------------|---------------------------|
| 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

