

BLMA

2 ... 20 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 2020-1	2 ... 20 GHz	1	30 / 32 $\pm$ 2	20 / 20	65	3 HU, 350 mm	12
BLMA 2020-5	2 ... 20 GHz	5	37 / 39 $\pm$ 2	20 / 20	200	3 HU, 350 mm	15

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:	

BONN Elektronik GmbH – BLMA 2 ... 20 GHz

	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



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 · home: www.bonn-elektronik.com