

BLMA

18 ... 40 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 1840-0.1	18 ... 40 GHz	0.1	20 / 22 $\pm$ 2	20 / 20	50	3 HU, 350 mm	10
BLMA 1840-0.2	18 ... 40 GHz	0.2	23 / 25 $\pm$ 2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.25	18 ... 40 GHz	0.25	24 / 26 $\pm$ 2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.4	18 ... 40 GHz	0.4	26 / 28 $\pm$ 2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.7	18 ... 40 GHz	0.7	28.5 / 31 $\pm$ 2	20 / 20	75	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_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
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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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