

BLMA

0,8 ... 4 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 0840–30/20D	0,8 ... 4 GHz	30/20			200	3 HU, 550 mm	20
	0.8 ... 2 GHz	30	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	20	43 / 45 ±2	20 / 20			
BLMA 0840–30D	0,8 ... 4 GHz	30/30			350	3 HU, 630 mm	23
	0.8 ... 2 GHz	30	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	30	44.8 / 47 ±2	20 / 20			
BLMA 0840–50/30D	0,8 ... 4 GHz	50/30			500	3 HU, 630 mm	23
	0.8 ... 2 GHz	50	47 / 49 ±2	20 / 20			
	2 ... 4 GHz	30	44.8 / 47 ±2	20 / 20			
BLMA 0840–50/60D	0,8 ... 4 GHz	50/60			600	3 HU, 630 mm	26
	0.8 ... 2 GHz	50	47 / 49 ±2	20 / 20			
	2 ... 4 GHz	60	47.8 / 50 ±2	20 / 20			
BLMA 0840–100/60D	0,8 ... 4 GHz	100/60			750	3 HU, 630 mm	28
	0.8 ... 2 GHz	100	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	60	47.8 / 50 ±2	20 / 20			
BLMA 0840–100D	0,8 ... 4 GHz	100/100			1300	6 HU, 630 mm	45
	0.8 ... 2 GHz	100	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	100	50 / 52 ±2	20 / 20			
BLMA 0840–200/100D	0,8 ... 4 GHz	200/100			1300	6 HU, 630 mm	45
	0.8 ... 2 GHz	200	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	100	50 / 52 ±2	20 / 20			
BLMA 0840–200D	0,8 ... 4 GHz	200/200			2700	10 HU, 630 mm	75
	0.8 ... 2 GHz	200	53 / 55 ±2	20 / 20			

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	2 ... 4 GHz	200	53 / 55 ±2	20 / 20			
BLMA 0840–400/200D	0,8 ... 4 GHz	400/200			2700	13 HU, 630 mm	105
	0.8 ... 2 GHz	400	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	200	53 / 55 ±2	20 / 20			
BLMA 0840–400D	0,8 ... 4 GHz	400/400			6500	20 HU, 630 mm	180
	0.8 ... 2 GHz	400	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	400	56 / 58 ±2	20 / 20			
BLMA 0840–750/400D	0,8 ... 4 GHz	750/400			9000	30 HU, 630 mm	230
	0.8 ... 2 GHz	750	58.8 / 61 ±2	20 / 20			
	2 ... 4 GHz	400	56 / 58 ±2	20 / 20			

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 ±10% / 47 ... 63 Hz

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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