

STANDARD MODELS

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 0842-1	0.8 ... 4.2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0842-3	0.8 ... 4.2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	80	3 HU, 350 mm	11
BLMA 0842-5	0.8 ... 4.2 GHz	5 / 6	37 / 39 ±2	15 / 20	100	3 HU, 350 mm	11
BLMA 0842-10	0.8 ... 4.2 GHz	10 / 13	40 / 42 ±2	15 / 20	300	3 HU, 550 mm	16
BLMA 0842-20	0.8 ... 4.2 GHz	20 / 25	43 / 45 ±2	15 / 20	300	3 HU, 550 mm	17
BLMA 0842-40	0.8 ... 4.2 GHz	40 / 50	46 / 48 ±2	15 / 20	600	4 HU, 550 mm	30
BLMA 0842-80	0.8 ... 4.2 GHz	80 / 100	49 / 51 ±2	18 / 20	2500	6 HU, 630 mm	60
BLMA 0842-150	0.8 ... 4.2 GHz	150 / 200	51.8 / 54 ±2	18 / 20	5000	10 HU, 630 mm	95

1 HU = 44.45mm

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. für 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:	<8 GHz	N-f, standard on rear panel
	8 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
RF Output:	<8 GHz	N-f, standard on rear panel
	8 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
Mains Supply:	BLMA 2640-2	WR-28, standard on front panel
	Line Power:	
	Line Power	
	<1000 VA	100 ... 240 V AC ±10%
	1000 ... 3000 VA	200 ... 240 V AC ±10%
	>3000 VA	3x 400 V AC ±10%
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	

BLMA 0.8 ... 4.2 GHz Solid State Amplifiers

Cooling: forced air with integral blower
air intake from front, air exhaust at rear

OPTIONS

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|--------------------------------------|---------------------------|
| A) RF-Sample Ports | H) DC Supply |
| B) External Dual Directional Coupler | I) 3x 200 V AC / 60 Hz |
| C) IEEE-488.2 GPIB Remote Control | L) LAN Remote Control |
| D) Front Panel RF Connectors | R) RS-232C Remote Control |
| E) Power Indication (digital) | U) USB Remote Control |
| F) Gain Adjustment | W) Liquid Cooling |
| G) Output Isolator | |