

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 0830-1	0.8 ... 3 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0830-3	0.8 ... 3 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	12
BLMA 0830-6	0.8 ... 3 GHz	6 / 7	37.8 / 40 ±2	20 / 20	100	3 HU, 350 mm	12
BLMA 0830-10	0.8 ... 3 GHz	10 / 13	40 / 43 ±3	15 / 20	150	3 HU, 350 mm	13
BLMA 0830-20	0.8 ... 3 GHz	20 / 25	43 / 45 ±2	12 / 20	220	3 HU, 550 mm	17
BLMA 0830-40	0.8 ... 3 GHz	40 / 50	46 / 48 ±2	12 / 20	250	3 HU, 550 mm	18
BLMA 0830-80	0.8 ... 3 GHz	80 / 100	49 / 51 ±2	15 / 20	450	3 HU, 550 mm	18
BLMA 0830-100	0.8 ... 3 GHz	100 / 120	50 / 52 ±2	15 / 20	500	3 HU, 550 mm	18
BLMA 0830-150	0.8 ... 3 GHz	150 / 180	51.8 / 54 ±2	15 / 20	500	4 HU, 550 mm	32
BLMA 0830-200	0.8 ... 3 GHz	200 / 230	53 / 55 ±2	15 / 20	1200	5 HU, 630 mm	42
BLMA 0830-250	0.8 ... 3 GHz	250 / 300	54 / 56 ±2	20 / 20	2000	5 HU, 630 mm	50

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
	BLMA 2640-2	WR-28, standard on front panel
Mains Supply:	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	

BLMA 0.8 ... 3 GHz Solid State Amplifiers

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-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 | |