

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 1060-0.5	1 ... 6 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 1060-1	1 ... 6 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 1060-3	1 ... 6 GHz	3 / 3.3	34.8 / 37 ±2	20 / 20	90	2 HU, 430 mm	10
BLMA 1060-6	1 ... 6 GHz	6 / 10	37.8 / 40 ±2	15 / 20	160	2 HU, 430 mm	10
BLMA 1060-10	1 ... 6 GHz	10 / 15	40 / 42 ±2	15 / 20	250	2 HU, 430 mm	12
BLMA 1060-15	1 ... 6 GHz	15 / 20	41.8 / 45 ±3	15 / 20	250	2 HU, 430 mm	13
BLMA 1060-25	1 ... 6 GHz	25 / 30	44 / 47 ±3	18 / 20	450	2 HU, 430 mm	13
BLMA 1060-30	1 ... 6 GHz	30 / 35	44.8 / 48 ±3	18 / 20	500	2 HU, 430 mm	13
BLMA 1060-30D	1 ... 6 GHz				450	3 HU, 430 mm	25
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 6 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 1060-50	1 ... 6 GHz	50 / 70	47 / 50 ±3	15 / 20	500	2 HU, 430 mm	13
BLMA 1060-75	1 ... 6 GHz	75 / 80	48.8 / 52 ±3	15 / 20	950	3 HU, 430 mm	20
BLMA 1060-100/60/30D	1 ... 6 GHz				700	4 HU, 630 mm	38
	1 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	60 / 70	47.8 / 50 ±2	15 / 20			
	4 ... 6 GHz	30 / 40	44.8 / 47 ±2	20 / 20			
BLMA 1060-100	1 ... 6 GHz	100 / 120	50 / 53 ±3	15 / 20	950	3 HU, 430 mm	19
BLMA 1060-150/50D	1 ... 6 GHz				1300	3 HU, 630 mm	25
	1 ... 2.5 GHz	150 / 180	51.8 / 55 ±2	15 / 20			
	2.5 ... 6 GHz	50 / 60	47 / 49 ±2	15 / 20			
BLMA 1060-150	1 ... 6 GHz	150 / 180	51.8 / 55 ±2	15 / 20	2100	4 HU, 630 mm	38
BLMA 1060-200/100	1 ... 6 GHz				2100	4 HU, 630 mm	38
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	180 / 240	53 / 55 ±2	15 / 20			
	4 ... 6 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1060-200/150D	1 ... 6 GHz				2100	4 HU, 630 mm	38
	1 ... 2.5 GHz	200 / 230	53 / 55 ±2	15 / 20			
	2.5 ... 6 GHz	150 / 180	51.8 / 54 ±2	20 / 20			

# BLMA 1 ... 6 GHz Solid State Amplifiers

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 1060-200	1 ... 6 GHz	200 / 220	53 / 56 ±3	18 / 20	3300	5 HU, 630 mm	58
BLMA 1060-200DS	1 ... 6 GHz				3000	12 HU, 800 mm	110
	1 ... 2.5 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2.5 ... 6 GHz	200 / 240	53 / 55 ±2	15 / 20			
BLMA 1060-250	1 ... 6 GHz	250 / 280	54 / 57 ±3	15 / 20	4500	7 HU, 630 mm	80
BLMA 1060-300/150/100D	1 ... 6 GHz				2500	6 HU, 630 mm	67
	1 ... 2.5 GHz	300 / 320	54.8 / 57 ±2	20 / 20			
	2.5 ... 4 GHz	150 / 170	51.8 / 54 ±2	15 / 20			
	4 ... 6 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1060-400/100D	1 ... 6 GHz				4000	8 HU, 630 mm	89
	1 ... 4 GHz	400 / 450	56 / 59 ±3	20 / 20			
	4 ... 6 GHz	100 / 120	50 / 53 ±3	20 / 20			
BLMA 1060-400	1 ... 6 GHz	400 / 450	56 / 59 ±3	15 / 20	5000	10 HU, 630 mm	110
BLMA 1060-500	1 ... 6 GHz	500 / 550	57 / 60 ±3	15 / 20	7000	12 HU, 800 mm	142
BLMA 1060-750	1 ... 6 GHz	750 / 800	58.8 / 62 ±3	15 / 20	10000	18 HU, 800 mm	190
BLMA 1060-1000/300D	1 ... 6 GHz				13500	32 HU, 800 mm	310
	1 ... 3.2 GHz	1000 / 1100	60 / 63 ±3	15 / 20			
	3.2 ... 6 GHz	300 / 350	54.8 / 58 ±3	15 / 20			
BLMA 1060-1000	1 ... 6 GHz	1000 / 1100	60 / 63 ±3	15 / 20	15000	32 HU, 800 mm	350

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

## 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:	infinite for no damage (100% mismatch tolerant) $P_N$ -0.5 dB min. at VSWR 2:1
Spurious (at $P_N$ ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear or AB-linear

## GENERAL

RF Input:	<12 GHz	N-f, standard on rear panel
	12 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
RF Output:	<12 GHz	N-f, standard on rear panel
	12 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel

# BLMA 1 ... 6 GHz Solid State Amplifiers

<b>Mains Supply:</b>	Line Power: Line Power
	<800 VA            100 ... 240 V AC ±10%
	800 ... 3000 VA    200 ... 240 V AC ±10%
	>3000 VA           3x 400 V AC ±10%
<b>Elapsed Time Meter:</b>	via status display
<b>Ambient Temperature:</b>	0 ... +45 °C
<b>Storage Temperature:</b>	-20 ... +85 °C
<b>Relative Humidity:</b>	up to 95% (non-condensing)
<b>Operating Altitude:</b>	up to 2000 m above sea level
<b>Vibration and Shock:</b>	MIL-STD-810 G
<b>Cooling:</b>	forced air with integral blower air intake from front, air exhaust at rear

## OPTIONS

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|--------------------------------------|---|
| A) RF-Sample Ports *)                | L) LAN Remote Control                   |
| B) External Dual Directional Coupler | N) Harmonics Filtering *)               |
| C) IEEE-488.2 GPIB Remote Control    | R) RS-232C Remote Control               |
| D) Front Panel RF Connectors         | S) Internal RF Switching Unit *)        |
| E) RF Power Indication (digital) *)  | U) USB Remote Control                   |
| F) Gain Adjustment *)                | W) Liquid Cooling                       |
| G) Output Isolator *)                | X) External Control of other Amplifiers |
| H) DC Supply                         |   |
| I) 3x 208 V AC / 60 Hz               |   |

\*) These options may reduce output power and/or gain