

## 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 0760-1	0.7 ... 6 GHz	1 / 1.2	30 / 32 ±3	20 / 20	50	2 HU, 430 mm	10
BLMA 0760-3	0.7 ... 6 GHz	3 / 3.3	34.8 / 37 ±3	20 / 20	90	2 HU, 430 mm	10
BLMA 0760-6	0.7 ... 6 GHz	6 / 10	37.8 / 40 ±3	15 / 20	160	2 HU, 430 mm	10
BLMA 0760-15	0.7 ... 6 GHz	15 / 20	41.8 / 45 ±3	15 / 20	250	2 HU, 430 mm	12
BLMA 0760-25	0.7 ... 6 GHz	25 / 30	44 / 47 ±3	15 / 20	450	2 HU, 430 mm	13
BLMA 0760-60	0.7 ... 6 GHz	60 / 75	47.8 / 51 ±3	15 / 20	1200	3 HU, 430 mm	22
BLMA 0760-75	0.7 ... 6 GHz	75 / 100	48.8 / 52 ±3	15 / 20	1200	3 HU, 430 mm	22
BLMA 0760-125	0.7 ... 6 GHz	125 / 140	51 / 54 ±3	20 / 20	1450	4 HU, 630 mm	38
BLMA 0760-150	0.7 ... 6 GHz	150 / 170	51.8 / 55 ±3	15 / 20	1600	4 HU, 630 mm	38
BLMA 0760-180	0.7 ... 6 GHz	180 / 200	52.6 / 56 ±3	15 / 20	3200	5 HU, 630 mm	60
BLMA 0760-200	0.7 ... 6 GHz	200 / 220	53 / 56 ±3	15 / 20	3200	5 HU, 630 mm	60

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
Mains Supply:	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%
Elapsed Time Meter:	via status display	

# BLMA 0.7 ... 6 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 G
Cooling:	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