

## 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 0825-1	0.8 ... 2.5 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	2 HU, 430 mm	11
BLMA 0825-3	0.8 ... 2.5 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	2 HU, 430 mm	11
BLMA 0825-5	0.8 ... 2.5 GHz	5 / 6	37 / 39 ±2	20 / 20	75	2 HU, 430 mm	12
BLMA 0825-10	0.8 ... 2.5 GHz	10 / 13	40 / 42 ±2	12 / 20	150	2 HU, 430 mm	13
BLMA 0825-20	0.8 ... 2.5 GHz	20 / 25	43 / 45 ±2	20 / 20	250	2 HU, 430 mm	13
BLMA 0825-40	0.8 ... 2.5 GHz	40 / 50	46 / 48 ±2	20 / 20	350	3 HU, 630 mm	18
BLMA 0825-75	0.8 ... 2.5 GHz	75 / 90	58.8 / 51 ±2	20 / 20	800	3 HU, 630 mm	22
BLMA 0825-150	0.8 ... 2.5 GHz	150 / 180	51.8 / 54 ±2	20 / 20	1200	3 HU, 630 mm	26
BLMA 0825-150S	0.8 ... 2.5 GHz	150 / 180	51.8 / 54 ±2	18 / 20	1100	3 HU, 630 mm	25
BLMA 0825-200	0.8 ... 2.5 GHz	200 / 220	53 / 55 ±2	20 / 20	1600	4 HU, 630 mm	35
BLMA 0825-250	0.8 ... 2.5 GHz	250 / 300	54 / 56 ±2	12 / 15	2000	4 HU, 630 mm	36
BLMA 0825-300	0.8 ... 2.5 GHz	300 / 350	54.8 / 57 ±2	20 / 20	2400	6 HU, 630 mm	52
BLMA 0825-300S	0.8 ... 2.5 GHz	300 / 350	54.8 / 57 ±2	15 / 20	2000	4 HU, 630 mm	36
BLMA 0825-500S	0.8 ... 2.5 GHz	500 / 650	57 / 59 ±2	18 / 20	3500	9 HU, 630 mm	86
BLMA 0825-500	0.8 ... 2.5 GHz	500 / 550	57 / 59 ±2	20 / 20	5000	12 HU, 800 mm	105
BLMA 0825-750	0.8 ... 2.5 GHz	750 / 850	58.8 / 61 ±2	18 / 20	4500	9 HU, 630 mm	105

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

# BLMA 0.8 ... 2.5 GHz Solid State Amplifiers

<b>RF Output:</b>	<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
<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

- |                                      |   |
|--------------------------------------|---|
| 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