

## 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 0820-1	0.8 ... 2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	2 HU, 430 mm	10
BLMA 0820-3	0.8 ... 2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	2 HU, 430 mm	10
BLMA 0820-7	0.8 ... 2 GHz	7 / 8	38.5 / 41 ±2	20 / 20	75	2 HU, 430 mm	10
BLMA 0820-10	0.8 ... 2 GHz	10 / 12	40 / 42 ±2	15 / 20	150	2 HU, 430 mm	10
BLMA 0820-30	0.8 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20	200	2 HU, 430 mm	13
BLMA 0820-50	0.8 ... 2 GHz	50 / 60	47 / 49 ±2	20 / 20	350	3 HU, 550 mm	22
BLMA 0820-100	0.8 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20	700	3 HU, 630 mm	22
BLMA 0820-200	0.8 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20	1200	3 HU, 630 mm	26
BLMA 0820-400	0.8 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20	2600	6 HU, 630 mm	50
BLMA 0820-750	0.8 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20	6000	15 HU, 630 mm	150

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	
Ambient Temperature:	0 ... +45 °C	

# BLMA 0.8 ... 2 GHz Solid State Amplifiers

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

---

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