

## 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 2080-0.5	2 ... 8 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 2080-1	2 ... 8 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 2080-2	2 ... 8 GHz	2 / 2.3	33 / 35 ±2	20 / 20	50	2 HU, 430 mm	11
BLMA 2080-8	2 ... 8 GHz	8 / 10	39 / 41 ±2	15 / 20	100	2 HU, 430 mm	12
BLMA 2080-10	2 ... 8 GHz	10 / 12	40 / 44 ±4	18 / 20	175	2 HU, 430 mm	10
BLMA 2080-20	2 ... 8 GHz	20 / 22	43 / 45 ±2	15 / 20	550	3 HU, 430 mm	19
BLMA 2080-30	2 ... 8 GHz	30 / 33	44.8 / 47 ±2	15 / 20	750	3 HU, 430 mm	22
BLMA 2080-60	2 ... 8 GHz	60 / 66	47.8 / 50 ±2	15 / 20	1600	4 HU, 630 mm	38

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	
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

---

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