

## 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 0530-10	0.5 ... 3 GHz	10 / 15	40 / 42 ±2	15 / 20	150	2 HU, 430 mm	13
BLMA 0530-40	0.5 ... 3 GHz	40 / 50	46 / 48 ±2	15 / 20	250	2 HU, 430 mm	13
BLMA 0530-50	0.5 ... 3 GHz	50 / 70	47 / 49 ±2	15 / 20	400	2 HU, 430 mm	13
BLMA 0530-80	0.5 ... 3 GHz	80 / 100	49 / 51 ±2	15 / 20	600	3 HU, 430 mm	16
BLMA 0530-150	0.5 ... 3 GHz	150 / 200	51.8 / 54 ±2	15 / 20	1200	3 HU, 630 mm	29

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 12 bis 18 GHz >18 GHz	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel
RF Output:	<12 GHz 12 to 18 GHz >18 GHz	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel
Mains Supply:	Line Power: Line Power <800 VA 800 ... 3000 VA >3000 VA	100 ... 240 V AC ±10% 200 ... 240 V AC ±10% 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 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