

## 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 1020-1	1 ... 2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 1020-3	1 ... 2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	50	2 HU, 430 mm	11
BLMA 1020-5	1 ... 2 GHz	5 / 6	37 / 39 ±2	20 / 20	75	2 HU, 430 mm	11
BLMA 1020-10	1 ... 2 GHz	10 / 13	40 / 42 ±2	18 / 20	100	2 HU, 430 mm	12
BLMA 1020-30	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20	180	2 HU, 430 mm	12
BLMA 1020-50	1 ... 2 GHz	50 / 60	47 / 49 ±2	15 / 20	500	2 HU, 430 mm	13
BLMA 1020-60	1 ... 2 GHz	60 / 70	47.8 / 49 ±2	20 / 20	350	3 HU, 630 mm	21
BLMA 1020-100	1 ... 2 GHz	100 / 125	50 / 52 ±2	20 / 20	600	3 HU, 630 mm	22
BLMA 1020-120	1 ... 2 GHz	120 / 140	50.8 / 53 ±2	20 / 20	700	3 HU, 630 mm	22
BLMA 1020-200	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20	1200	3 HU, 630 mm	27
BLMA 1020-240	1 ... 2 GHz	240 / 270	53.8 / 55 ±2	20 / 20	1500	3 HU, 630 mm	27
BLMA 1020-300	1 ... 2 GHz	300 / 330	57.8 / 60 ±2	15 / 20	2200	4 HU, 630 mm	39
BLMA 1020-400	1 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20	2600	7 HU, 630 mm	55
BLMA 1020-450	1 ... 2 GHz	450 / 500	56.5 / 59 ±2	20 / 20	3500	7 HU, 630 mm	55
BLMA 1020-550	1 ... 2 GHz	550 / 600	57.4 / 60 ±2	20 / 20	4000	7 HU, 630 mm	60
BLMA 1020-600	1 ... 2 GHz	600 / 700	57.8 / 60 ±2	15 / 20	4200	9 HU, 630 mm	105
BLMA 1020-750	1 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20	6000	15 HU, 630 mm	150
BLMA 1020-850	1 ... 2 GHz	850 / 1000	59.3 / 62 ±2	15 / 20	5000	9 HU, 630 mm	85
BLMA 1020-1400	1 ... 2 GHz	1400 / 1500	61.5 / 64 ±2	20 / 20	12000	24 HU, 800 mm	250
BLMA 1020-2000	1 ... 2 GHz	2000 / 2100	63 / 65 ±2	20 / 20	18000	41 HU, 800 mm	360

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

<b>RF Input:</b>	<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
<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 $\pm 10\%$
	800 ... 3000 VA	200 ... 240 V AC $\pm 10\%$
	>3000 VA	3x 400 V AC $\pm 10\%$
<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 F	
<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