

**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 1040-30/20D	1 ... 4 GHz				200	3 HU, 430 mm	19
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	20 / 35	43 / 45 ±2	20 / 20			
BLMA 1040-30	1 ... 4 GHz	30 / 35	44.8 / 47 ±2	15 / 20	300	2 HU, 430 mm	12
BLMA 1040-60/35D	1 ... 4 GHz				400	3 HU, 630 mm	22
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	35 / 40	45.4 / 48 ±2	20 / 20			
BLMA 1040-60	1 ... 4 GHz	60 / 80	47.8 / 50 ±2	18 / 20	600	3 HU, 430 mm	17
BLMA 1040-60D	1 ... 4 GHz				600	3 HU, 630 mm	26
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 1040-80	1 ... 4 GHz	80 / 100	49 / 51 ±2	20 / 20	490	3 HU, 430 mm	18
BLMA 1040-120	1 ... 4 GHz	120 / 150	50.8 / 53 ±2	20 / 20	900	3 HU, 630 mm	25
BLMA 1040-200	1 ... 4 GHz	200 / 250	53 / 55 ±2	20 / 20	1800	4 HU, 630 mm	40
BLMA 1040-250	1 ... 4 GHz	250 / 280	54 / 56 ±2	20 / 20	1800	4 HU, 630 mm	39
BLMA 1040-300/200	1 ... 4 GHz				3900	8 HU, 630 mm	87
	1 ... 2 GHz	300 / 320	54.8 / 57 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-400	1 ... 4 GHz	400 / 500	56 / 59 ±3	20 / 20	6000	7 HU, 630 mm	84
BLMA 1040-500	1 ... 4 GHz	500 / 600	57 / 59 ±2	18 / 20	6000	8 HU, 630 mm	97
BLMA 1040-750	1 ... 4 GHz	750 / 800	58.8 / 62 ±3	20 / 20	8000	12 HU, 800 mm	140
BLMA 1040-1000	1 ... 4 GHz	1000 / 1150	60 / 62 ±2	20 / 20	8000	18 HU, 800 mm	180

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 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