

## 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 1218-1	12 ... 18 GHz	1 / 1.2	30 / 32 ±2	20 / 20	60	3 HU, 350 mm	10
BLMA 1218-2	12 ... 18 GHz	2 / 2.3	33 / 35 ±2	20 / 20	60	3 HU, 350 mm	11
BLMA 1218-3	12 ... 18 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 1218-5	12 ... 18 GHz	5 / 6	37 / 40 ±3	20 / 20	120	3 HU, 350 mm	11
BLMA 1218-7	12 ... 18 GHz	7 / 8	38.5 / 42 ±3	20 / 20	200	3 HU, 350 mm	12
BLMA 1218-10	12 ... 18 GHz	10 / 11	40 / 43 ±3	15 / 20	250	3 HU, 350 mm	13
BLMA 1218-20	12 ... 18 GHz	20 / 22	43 / 46 ±3	15 / 20	350	3 HU, 350 mm	14

1 HU = 44.45mm

## 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:	2:1 max. für $P_N$ -0.5 dB; infinite for no damage
Spurious (at $P_N$ ):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear

## GENERAL

RF Input:	<8 GHz	N-f, standard on rear panel
	8 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
RF Output:	<8 GHz	N-f, standard on rear panel
	8 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
	BLMA 2640-2	WR-28, standard on front panel
Mains Supply:	Line Power:	
	Line Power	
	<1000 VA	100 ... 240 V AC ±10%
	1000 ... 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 F	
Cooling:	forced air with integral blower	
	air intake from front, air exhaust at rear	

## OPTIONS

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|--------------------------------------|---------------------------|
| A) RF-Sample Ports                   | H) DC Supply              |
| B) External Dual Directional Coupler | I) 3x 200 V AC / 60 Hz    |
| C) IEEE-488.2 GPIB Remote Control    | L) LAN Remote Control     |
| D) Front Panel RF Connectors         | R) RS-232C Remote Control |
| E) Power Indication (digital)        | U) USB Remote Control     |
| F) Gain Adjustment                   | W) Liquid Cooling         |
| G) Output Isolator                   |                           |