

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 2018-0.2	2 ... 18 GHz	0.2 / 0.25	23 / 25 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2018-0.3	2 ... 18 GHz	0.3 / 0.35	24.8 / 27 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2018-0.5	2 ... 18 GHz	0.5 / 0.8	27 / 29 ±2	18 / 20	50	3 HU, 350 mm	12
BLMA 2018-0.8	2 ... 18 GHz	0.8 / 1	29 / 32 ±3	20 / 20	65	3 HU, 350 mm	11
BLMA 2018-1	2 ... 18 GHz	1 / 1.2	30 / 33 ±3	20 / 20	75	3 HU, 350 mm	11
BLMA 2018-1.5	2 ... 18 GHz	1.5 / 1.8	31 / 34 ±3	15 / 20	75	3 HU, 350 mm	11
BLMA 2018-2	2 ... 18 GHz	2 / 2.2	31 / 34 ±3	15 / 20	100	3 HU, 350 mm	12
BLMA 2018-7.5	2 ... 18 GHz	7.5 / 8	38 / 41 ±3	15 / 20	150	3 HU, 350 mm	13
BLMA 2018-20D	2 ... 18 GHz				350	3 HU, 350 mm	23
	2 ... 6 GHz	20 / 25	43 / 45 ±2	15 / 20			
	6 ... 18 GHz	20 / 22	43 / 46 ±3	15 / 20			

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	

BLMA 2 ... 18 GHz Solid State Amplifiers

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 | |