

## 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 8018-0.5	8 ... 18 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 8018-1	8 ... 18 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 8018-1.5	8 ... 18 GHz	1.5 / 1.7	31.8 / 34 ±2	20 / 20	75	3 HU, 350 mm	10
BLMA 8018-2	8 ... 18 GHz	2 / 2.3	33 / 35 ±2	18 / 20	75	3 HU, 350 mm	10
BLMA 8018-5	8 ... 18 GHz	5 / 6	37 / 39 ±2	15 / 20	150	3 HU, 350 mm	12
BLMA 8018-7	8 ... 18 GHz	7 / 8	38.5 / 41 ±2	20 / 20	200	3 HU, 350 mm	12
BLMA 8018-10	8 ... 18 GHz	10 / 11	40 / 43 ±3	15 / 20	200	3 HU, 350 mm	12
BLMA 8018-20	8 ... 18 GHz	20 / 22	43 / 46 ±3	15 / 20	350	3 HU, 550 mm	18
BLMA 8018-35	8 ... 18 GHz	35 / 40	45.4 / 50 ±4	15 / 20	800	3 HU, 630 mm	30
BLMA 8018-60	8 ... 18 GHz	60 / 75	47.5 / 52 ±4	18 / 20	1600	6 HU, 630 mm	64

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	

# BLMA 8 ... 18 GHz Solid State Amplifiers

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                   |                           |