

## 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	45	2 HU, 430 mm	9
BLMA 2018-0.3	2 ... 18 GHz	0.3 / 0.35	24.8 / 27 ±2	20 / 20	45	2 HU, 430 mm	9
BLMA 2018-0.5	2 ... 18 GHz	0.5 / 0.8	27 / 29 ±2	18 / 20	45	2 HU, 430 mm	9
BLMA 2018-0.8	2 ... 18 GHz	0.8 / 1	29 / 32 ±3	20 / 20	45	2 HU, 430 mm	9
BLMA 2018-1	2 ... 18 GHz	1 / 1.2	30 / 34 ±4	18 / 20	45	2 HU, 430 mm	9
BLMA 2018-1.5	2 ... 18 GHz	1.5 / 1.8	31 / 34 ±3	15 / 20	75	2 HU, 430 mm	10
BLMA 2018-2	2 ... 18 GHz	2 / 2.2	33 / 35 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 2018-4	2 ... 18 GHz	4 / 4.5	36 / 39 ±3	15 / 20	150	2 HU, 430 mm	12
BLMA 2018-7.5	2 ... 18 GHz 2 ... 17 GHz 17 ... 18 GHz	7.5 / 8 6.3 / 7.5	38 / 41 ±3 38 / 41 ±3	12 / 15 20 / 20	200	2 HU, 430 mm	12
BLMA 2018-30	2 ... 18 GHz	30 / 35	44.8 / 48 ±3	15 / 20	850	3 HU, 430 mm	21
BLMA 2018-20D	2 ... 18 GHz 2 ... 6 GHz 6 ... 18 GHz	20 / 25 20 / 22	43 / 45 ±2 43 / 46 ±3	20 / 20 15 / 20	350	3 HU, 430 mm	23
BLMA 2018-50	2 ... 18 GHz	50 / 60	47 / 50 ±3	10 / 20	2000	5 HU, 630 mm	42
BLMA 2018-80	2 ... 18 GHz	80 / 100	49 / 52 ±3	10 / 20	2700	5 HU, 630 mm	52

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

RF Input:	<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

# BLMA 2 ... 18 GHz Solid State Amplifiers

<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 ±10%
	800 ... 3000 VA	200 ... 240 V AC ±10%
	>3000 VA	3x 400 V AC ±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