BLMA 2 ... 6 GHz
Solid State Amplifiers

BONN Elektronik
YOUR ULTIMATE RF POWER SOURCE

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 2060-0.5	2 ... 6 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 2060-1	2 ... 6 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	2 HU, 430 mm	10
BLMA 2060-3	2 ... 6 GHz	3 / 3.3	34.8 / 37 ±2	20 / 20	90	2 HU, 430 mm	10
BLMA 2060-6	2 ... 6 GHz	6 / 10	37.8 / 40 ±2	18 / 20	120	2 HU, 430 mm	10
BLMA 2060-10	2 ... 6 GHz	10 / 12	40 / 42 ±2	18 / 20	150	2 HU, 430 mm	12
BLMA 2060-10S	2 ... 6 GHz	10 / 12	40 / 42 ±2	15 / 20	150	2 HU, 430 mm	12
BLMA 2060-15	2 ... 6 GHz	15 / 20	42 / 44 ±2	15 / 20	250	2 HU, 430 mm	14
BLMA 2060-25	2 ... 6 GHz	25 / 35	44.8 / 48 ±3	15 / 20	400	2 HU, 430 mm	13
BLMA 2060-30	2 ... 6 GHz	30 / 40	44.8 / 47 ±2	18 / 20	500	2 HU, 430 mm	14
BLMA 2060-50	2 ... 6 GHz	50 / 60	47 / 50 ±3	15 / 20	550	2 HU, 430 mm	13
BLMA 2060-75	2 ... 6 GHz	75 / 80	48.8 / 52 ±3	15 / 20	800	3 HU, 430 mm	19
BLMA 2060-100	2 ... 6 GHz	100 / 120	50 / 53 ±3	20 / 20	1100	3 HU, 430 mm	19
BLMA 2060-200	2 ... 6 GHz	200 / 230	53 / 56 ±3	15 / 20	2700	5 HU, 630 mm	37
BLMA 2060-250	2 ... 6 GHz	250 / 280	54 / 57 ±3	15 / 20	2800	5 HU, 630 mm	44
BLMA 2060-350	2 ... 6 GHz	350 / 400	55.4 / 59 ±3	15 / 20	4000	6 HU, 630 mm	56
BLMA 2060-500	2 ... 6 GHz	500 / 550	57 / 60 ±3	15 / 20	6500	15 HU, 800 mm	170
BLMA 2060-1000	2 ... 6 GHz	1000 / 1100	60 / 63 ±3	15 / 20	14000	32 HU, 800 mm	350

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
RF Output:	<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
Mains Supply:	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%
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 G	
Cooling:	forced air with integral blower	
	air intake from front, air exhaust at rear	

OPTIONS

A) RF-Sample Ports *)
B) External Dual Directional Coupler
C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) RF Power Indication (digital) *)
F) Gain Adjustment *)
G) Output Isolator *)
H) DC Supply
I) 3x 208 V AC / 60 Hz
L) LAN Remote Control
N) Harmonics Filtering *)
R) RS-232C Remote Control
S) Internal RF Switching Unit *)
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers

*) These options may reduce output power and/or gain