BLMA 1 ... 3.2 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 1032-1	1 ... 3.2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	50	2 HU, 430 mm	11
BLMA 1032-3	1 ... 3.2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	2 HU, 430 mm	12
BLMA 1032-5	1 ... 3.2 GHz	5 / 6	37 / 39 ±2	20 / 20	75	2 HU, 430 mm	12
BLMA 1032-10	1 ... 3.2 GHz	10 / 13	40 / 43 ±3	20 / 20	110	2 HU, 430 mm	13
BLMA 1032-20	1 ... 3.2 GHz	20 / 25	43 / 45 ±2	15 / 20	200	2 HU, 430 mm	13
BLMA 1032-40	1 ... 3.2 GHz	40 / 50	46 / 48 ±2	15 / 20	280	2 HU, 430 mm	13
BLMA 1032-80	1 ... 3.2 GHz	80 / 100	49 / 51 ±2	20 / 20	450	3 HU, 430 mm	18
BLMA 1032-100	1 ... 3.2 GHz	100 / 120	50 / 52 ±2	18 / 20	500	3 HU, 430 mm	17
BLMA 1032-150	1 ... 3.2 GHz	160 / 200	51.8 / 54 ±2	15 / 20	1600	3 HU, 630 mm	29
BLMA 1032-200	1 ... 3.2 GHz	200 / 230	53 / 55 ±2	18 / 20	1800	4 HU, 630 mm	42
BLMA 1032-250	1 ... 3.2 GHz	250 / 300	54 / 56 ±2	18 / 20	1800	4 HU, 630 mm	39
BLMA 1032-500	1 ... 3.2 GHz	500 / 600	57 / 59 ±2	15 / 20	7000	8 HU, 630 mm	50
BLMA 1032-1000/400	1 ... 3.2 GHz 1 ... 2 GHz 2 ... 3.2 GHz	 1000 / 1200 400 / 450	 60 / 62 ±2 56 / 58 ±2	 18 / 20 20 / 20	15000	18 HU, 800 mm	230

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