

BLMA 1 ... 3.2 GHz

Dual Purpose CW and Pulsed

STANDARD MODELS

Model	Frequency Range	CW Power P_N min / typ W	Pulse Power P_{pk} min / Duty W pk / %	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19-System	Weight kg
BLMA 1032-500/1000P	1 ... 3.2 GHz	500 / 600	1000 / 10	57 / 59 ±2	20 / 20	3800	6 HU, 630 mm	75

1 HU = 44.45 mm

Dual purpose wideband CW and Pulsed Solid State Class AB Linear GaN Amplifiers
for Radiated Immunity Tests according to Automotive Standards e.g.
Ford FMC1278 | GM GMW3097 | FCA CS00054 | MBN 50284-2 | BMW GS95002-2 | VW TL81000 | Volvo STD 515-003

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
Pulse Width	100 µs max.
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):	-60 dBc min. (excluding harmonics)
Class of Operation:	A-linear or AB-linear

GENERAL

RF Input:	<12 GHz 12 bis 18 GHz >18 GHz	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel
RF Output:	<12 GHz 12 to 18 GHz >18 GHz	N-f, standard on rear panel SMA-f, standard on front panel 2.92 mm-f, standard on front panel
Mains Supply:	Line Power: Line Power <800 VA 800 ... 3000 VA >3000 VA	100 ... 240 V AC ±10% 200 ... 240 V AC ±10% 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

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|--------------------------------------|---|
| A) RF-Sample Ports *) | R) RS-232C/RS-485 Remote Control |
| B) External Dual Directional Coupler | S) Internal RF Switching Unit *) |
| C) IEEE-488.2 GPIB Remote Control | U) USB Remote Control |
| D) Front Panel RF Connectors | W) Liquid Cooling |
| E) RF Power Indication (digital) *) | X) External Control of other Amplifiers |
| F) Gain Adjustment *) | |
| G) Output Isolator *) | |
| H) DC Supply | |
| I) 3x 208 V AC / 60 Hz | |
| L) LAN Remote Control | |
| N) Harmonics Filtering *) | |

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