

BLMA 1 ... 3.2 GHz

Dual Purpose CW and Pulsed

STANDARD MODELS

Model	Frequency Range	CW Power	Pulse Power	Gain	Harmonics	Line Power	Dimensions	Weight
		P_N min / typ W	P_{pk} min / Duty W pk / %	min / typ dB	2nd / 3rd dBc	VA	(H, D) 19-System	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	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:	-25 ... 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 *)
 - 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/RS-485 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