

Gigashot™ Mini

NORTHROP GRUMMAN

> FEATURES AND BENEFITS

PULSED Nd: YAG DPSS LASER SYSTEM



- 25 mJ @ < 10 nsec, 1-100 Hz
- 532 nm / 355 nm available
- Air Cooled
- Sealed laser head
- Long life diode bars
- Output beam characteristics maintained over power operating range
- eDrive™ control electronics with digital remote control

The Gigashot Mini laser system is a new diode-pumped solid-state (DPSS) laser system that is offered with up to 25 mJ at 1064 nm and > 8 mJ at 532 nm. It is rugged, reliable, and is easily integrated into original equipment.

The Gigashot Mini laser is economically priced, features long life laser diode bars, and is ideally suited for use in industrial manufacturing applications.

Gigashot Mini lasers feature field proven Northrop Grumman DPSS gain modules, low order mode operation, and are powered by the eDrive Nitro controller.

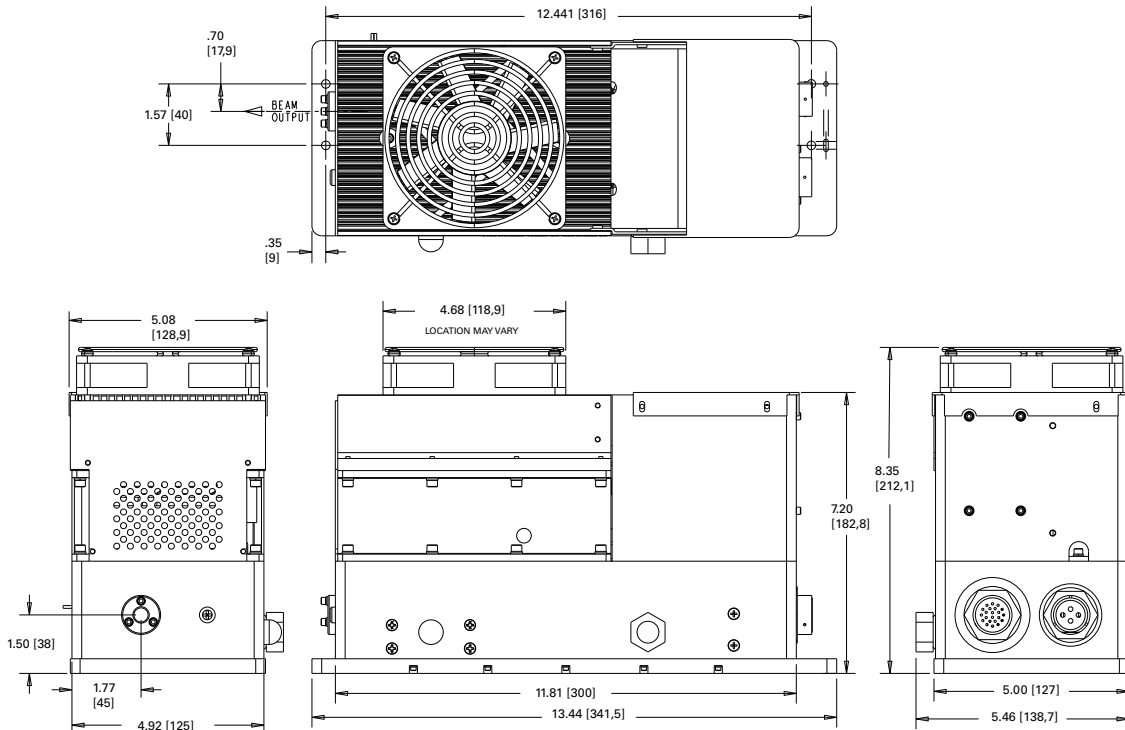
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GIGASHOT MINI SPECIFICATIONS

Specifications*			
Parameter	Configurations		Units
Model	ACL025-QTIP	ACL008-QTGP	—
Laser Type	DPSS Nd:YAG		—
Wavelength	1064	532	nm
Repetition Rate	1 - 100	1 - 100	Hz
Output	25	8	mJ
Spatial Mode	Low order	Low order	—
Beam Diameter @ Output Window	< 2.5	< 2	mm
Beam Quality (M ²)	< 2	< 2	—
Beam Divergence (Full Angle)	< 2	< 2	mrاد
Pulse Width (FWHM)	< 15	< 10	nsec
Pulse-to-Pulse Stability	< 4	< 5	% rms
Output Stability Over 8 hr	< 2	< 2	% rms
Polarization	Horizontal	Vertical	—
Electrical @ 50/60 Hz (Auto Ranging)	85 - 264	85 - 264	VAC
Operating Temperature (non-condensing)	18 - 30°C	18 - 30°C	°C
Dimensions	13.44 x 5.46 x 8.35	13.44 x 5.46 x 8.35	in

*Preliminary Specifications - Please contact CEO® if you require different specifications



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This Product is covered by one or more of the following Patents: 5,898,211 5,985,684 5,913,108 6,310,900 Other US and Foreign Patents Pending.

DANGER

VISIBLE LASER RADIATION

*AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION.

Wavelength	Energy	Pulsewidth	PRF
1064 nm	40 mJ	6 ns	100 Hz
532 nm	25 mJ	5 ns	100 Hz

CLASS IV LASER PRODUCT

Rev. A 01/13 ISO 9001:2008 REGISTERED