Arktis Laser Product Datasheet

LMM-UVB1 Combined Triple-Wavelength Laser System

Series Specifications:

Nominal Wavelength	375 nm, 405 nm, 447 nm
Output Type	CW
Laser Source Type	Diode

Overview:

Specifications:

This spec sheet has been generated specifically for part number M39-2, per your request. Each column represents the specifications of the individual component lasers that make up the multi-wavelength system.

Component Laser Wavelength (nm)	375	405	447
Output Power (mW)	>10	>10	>10
Output Power Stability (%RMS/4h)	<3	<3	<3
Divergence (mrad, full angle)	<0.5	<0.5	<2x1.6
Beam Dimensions (mm, $1/e^2$)	3	4	2.5x5
M^2	<1.5		
Max. Analog Modulation Freq. (Hz)	30000	30000	30000
Max. TTL Modulation Freq. (Hz)	30000	30000	30000
Modulation Input Signal	0-5 VDC	0-5 VDC	0-5 VDC
Total Power Consumption (W)	15	9	10
Max. Power Input Duty Cycle	100%	100%	100%
Standard Warranty (months)	12	12	12
MTTF (operational hours)	10000	10000	10000

CW: All specifications are based on performance at full output power and after the specified warmup period. Output characteristics may change if the laser is run at a different power level.
Q-Switched: Specifications are based on the laser pulsing at the specified design frequency. Output characteristics may change if the laser is run at a different frequency.

Power Supply Options:

These lasers are available with several different power supply options. The model that you have selected is highlighted below, and any other options are shown for easy reference.

	Power Supply Type:	**FR**
FDA-Compliant LabSpec	Input Power	85v to 264v
	Power Supply Weight (kg)	1.5
	Dimensions (mm)	154 (l) x 155 (w) x 95 (h)

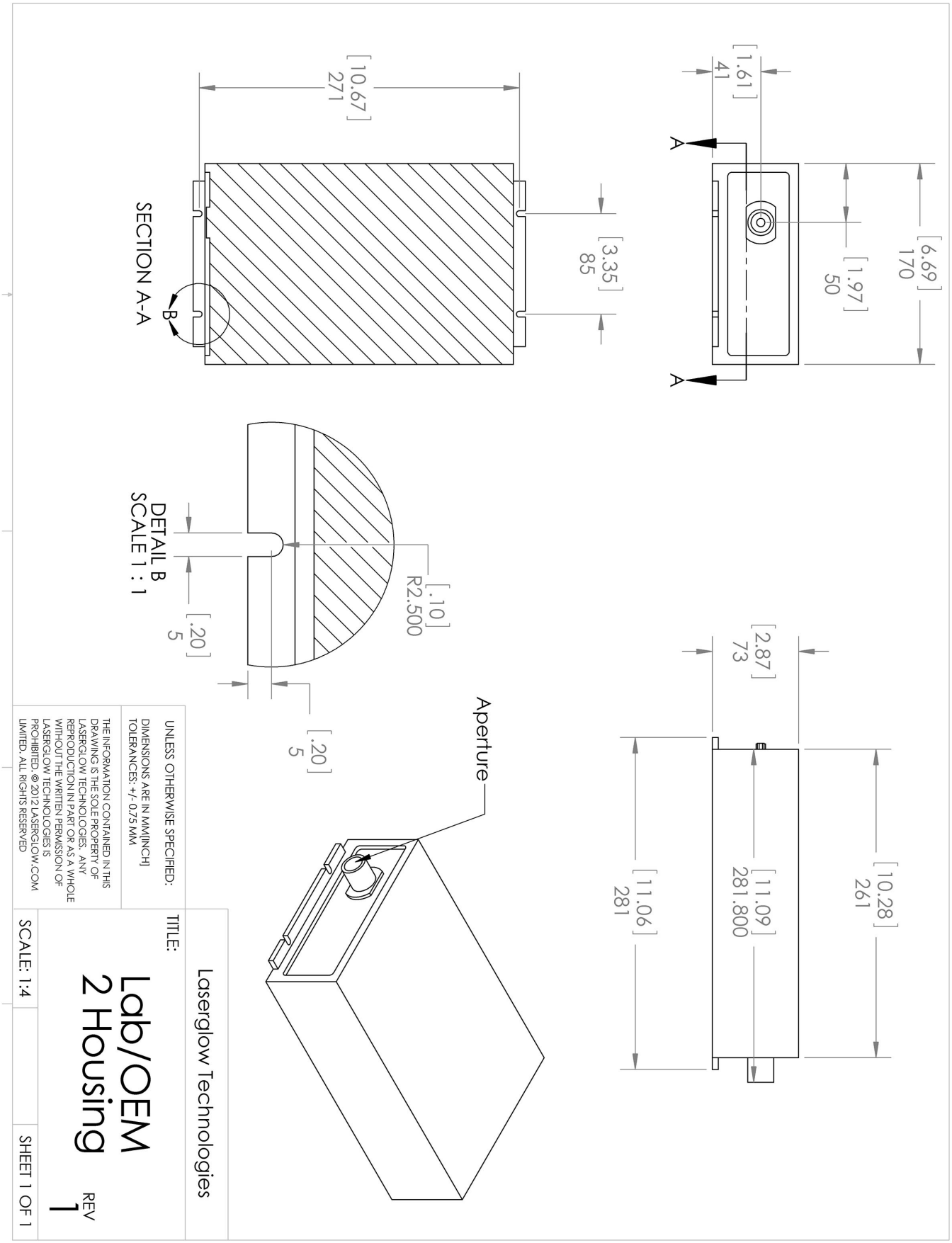
Multi-wavelength lasers include a separate power supply for each wavelength. In some cases the power supply for each wavelength may be slightly different in size. If the dimensions of the power supply are a concern for you please inquire with us before placing your order.

*Power supply may not be exactly as shown, see dimensional drawings on next 2 pages.
*Dimensions for fiber-integrated (I_) include laser head packaged inside.

Regulatory Classification:

The model you have selected (M39-2) requires the following safety label(s):

Dimensional Drawing - Laser Form Factor: 2:



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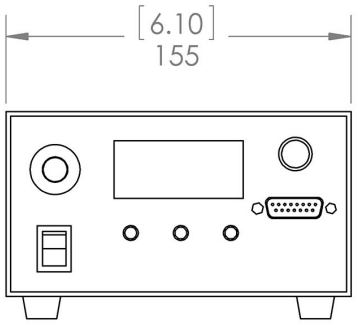
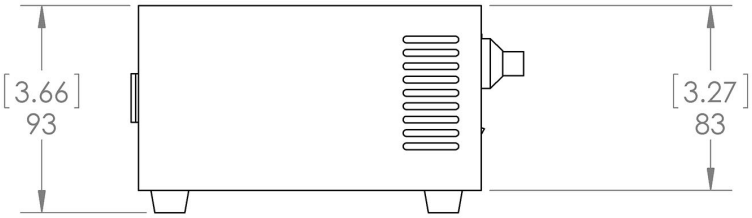
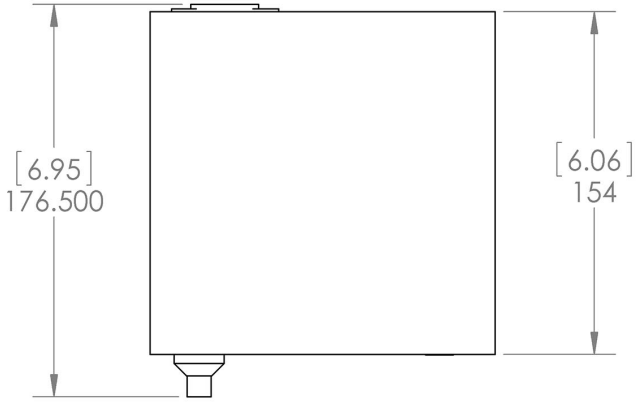
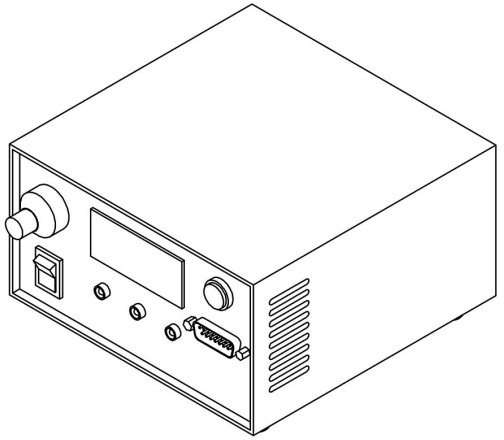
Dimensional Drawing - Power Supply Form Factor: FM:









Laserglow Technologies

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MM[INCH]
TOLERANCES: +/- 0.75 MM

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TITLE:

Power Supply FM/FR

REV 1

SCALE: 1:3

SHEET 1 OF 1

Accessories:

The most popular accessories for model M39-2 are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	

FOR MORE INFORMATION PLEASE CONTACT:

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E&OE: Data included in this sheet may be subject to change without notice.
Please confirm critical specifications with our staff prior to ordering.