

Arktis Laser Product Datasheet

LLS-0522 Low-Noise DPSS Laser System

Image
Coming
Soon!

Series Specifications:

Nominal Wavelength	522 nm
Output Type	CW
Laser Source Type	DPSS

Overview:

Specifications:

This spec sheet has been generated specifically for part number L5C-O, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to L5C-O have been highlighted below in **red + bold**.

Output Power (mW)	>5, >10, >30, >50, >80, >100
Output Power Stability (%RMS/4h)	<3, <5
Central Wavelength (nm)	522
Wavelength Tolerance (+/- nm)	1
Divergence (mrad, full angle)	<1.5
Beam Dimensions (mm, 1/e ²)	2
Warm-up Time (minutes)	10
Optical Noise Amplitude (%RMS @ 20 Hz - 20 MHz)	<1
M ²	<1.5
Polarization Ratio	>100
Beam Pointing Stability (mrad)	<0.05
Operating Temperature Range (°C)	10 to 35
Max. Power Input Duty Cycle	100%
Standard Warranty (months)	12
MTTF (operational hours)	10000
Weight of Product or Laser Head (kg)	2
Beam Height from Base Plate (mm)	27.4
Dimensions of Product or Laser Head (mm)	197 (l) x 70 (w) x 50 (h)

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.

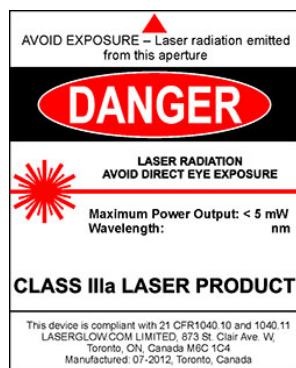
FDA-Compliant LabSpec 	Power Supply Type:	FO
	Input Power	85v to 264v
	Power Supply Weight (kg)	2.6
	Dimensions (mm)	268 (l) x 145 (w) x 106 (h)

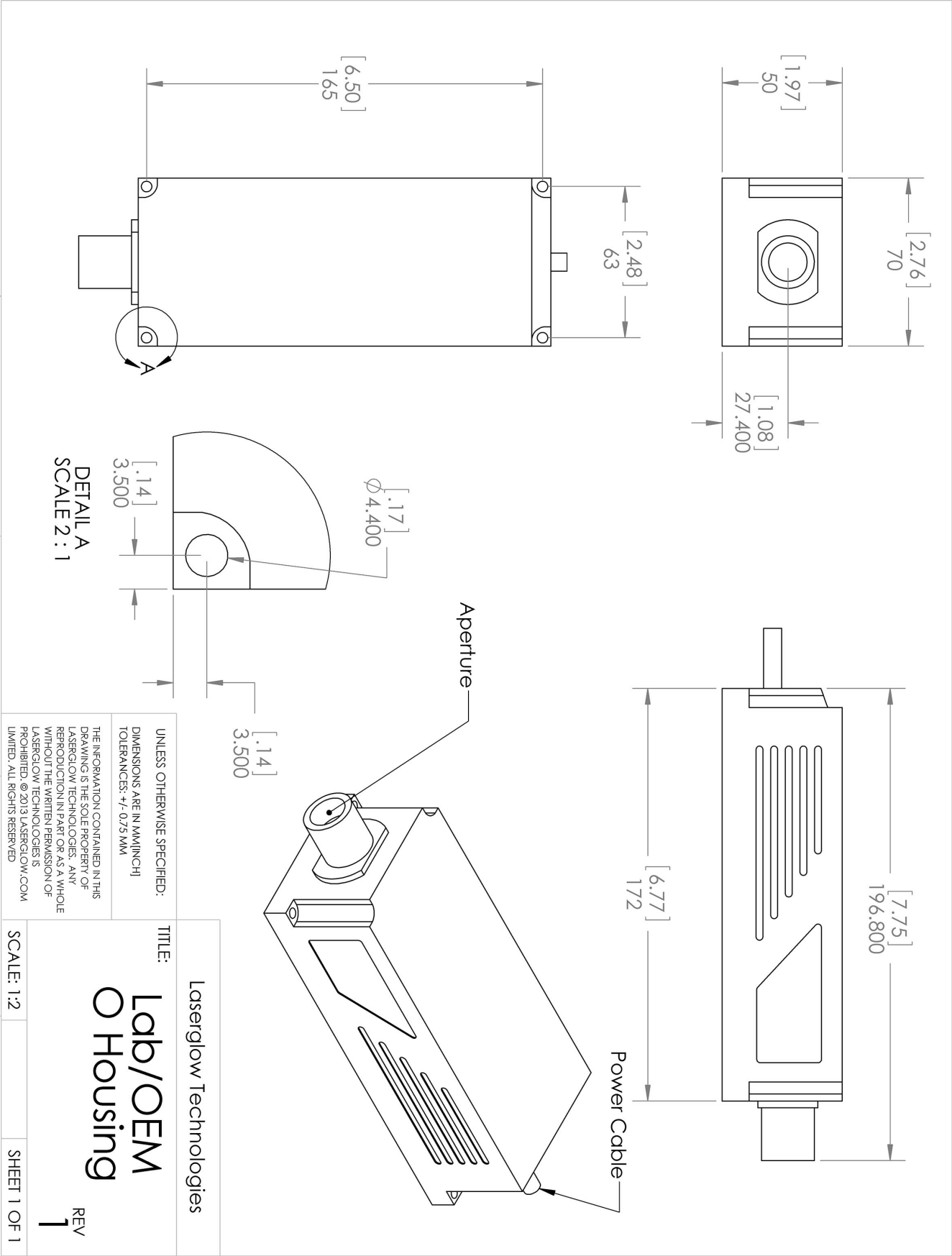
*Power supply may not be exactly as shown, see dimensional drawings on next 2 pages.

*Dimensions for fiber-integrated (I_) include laser head packaged inside.

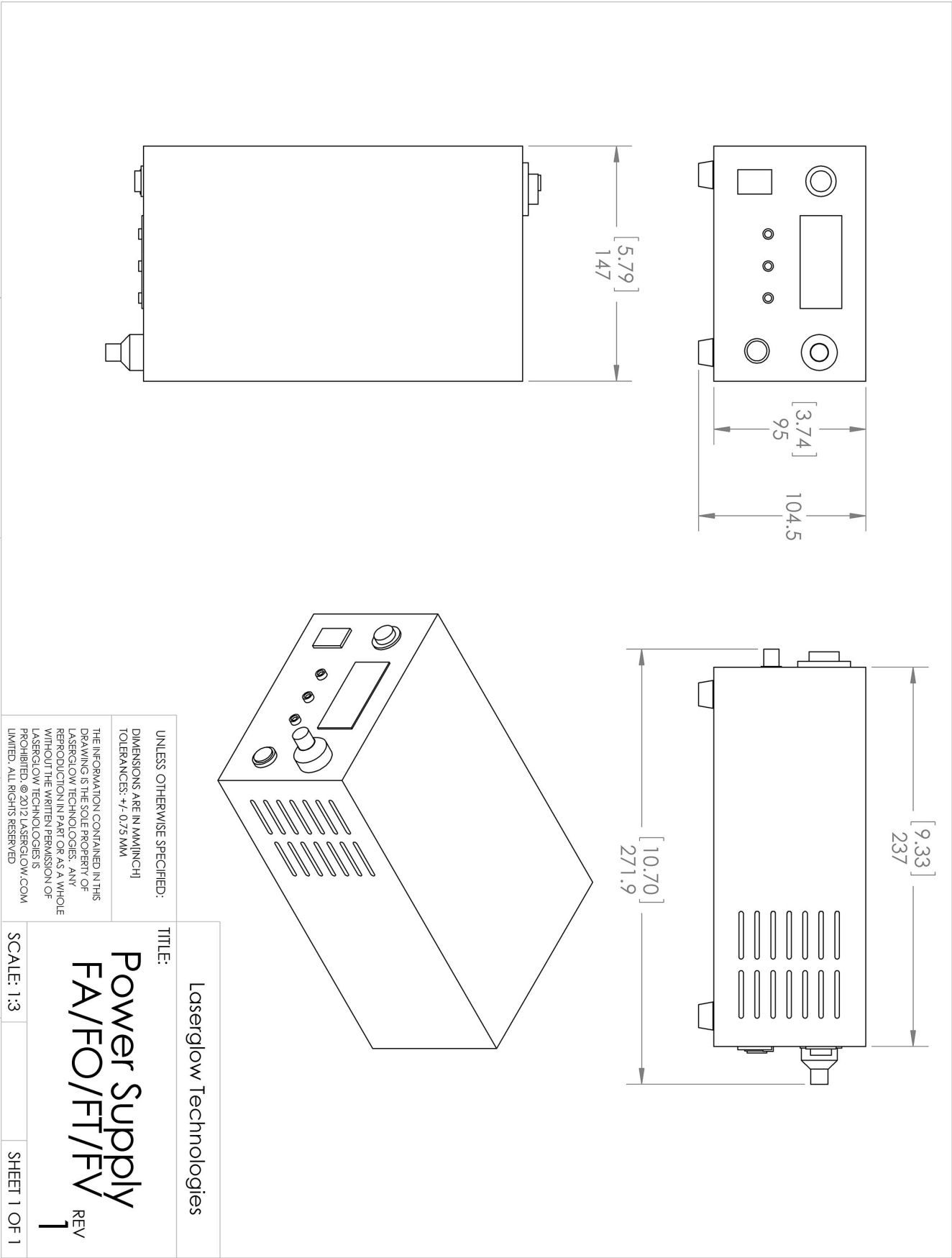
Regulatory Classification:

The model you have selected (L5C-O) requires the following safety label(s):





Dimensional Drawing - Power Supply Form Factor: FO:



Accessories:

The most popular accessories for model L5C-O are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 AGF5327XX	LSG-532-NF-7 Fit-Over Safety Goggles 532nm Output: OD 7+ at 190-532 nm CE Certified Full Details: www.arktislaser.com/AGF	
 ACFVISHXA	FC/PC Fiber Coupler/Collimator for visible spectrum wavelengths (400 to 700 nm) (installed and aligned) 11mm diameter input lens Full Details: www.arktislaser.com/ACF	
 ACSVISHXA	SMA-905 Fiber Coupler/Collimator for visible spectrum wavelengths (400 to 700 nm) (installed and aligned) 11mm diameter input lens Full Details: www.arktislaser.com/ACS	
 ACALBHFXX	Carrying Case-103 Holds Lab/OEM H, F and O size Standard/LabSpec laser Full Details: www.arktislaser.com/ACA	Included With Laser
 AFF2002XX	Armored Fiber With FC/PC Connectors 200um Core Multimode 2m length Full Details: www.arktislaser.com/AFF	
 AFS2002XX	Armored Fiber With SMA 905 Connectors 200um Core Multimode 2 m length Full Details: www.arktislaser.com/AFS	
 TBK	Complete optics kits with breadboard mounting hardware. External modulators, variable attenuators, free-space fiber launch systems Full Details: www.arktislaser.com/TBK	

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.