

Laserglow Product Datasheet

LRS-0550 DPSS Laser System

Image
Coming
Soon!

Series Specifications:

Nominal Wavelength	550 nm
Output Type	CW
Laser Source Type	DPSS

Overview:

Specifications:

This spec sheet has been generated specifically for part number R5D-O, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to R5D-O have been highlighted below in **red + bold**.


Output Power (mW)	>5, >10, >20, >30, >50, >80
Output Power Stability (%RMS/4h)	<3, <5
Central Wavelength (nm)	550
Wavelength Tolerance (+/- nm)	1
Divergence (mrad, full angle)	<1.5
Beam Dimensions (mm, 1/e ²)	2
Warm-up Time (minutes)	10
M ²	<1.5
Polarization Ratio	>100
Beam Pointing Stability (mrad)	<0.05
Operating Temperature Range (°C)	10 to 35
Max. Analog Modulation Freq. (Hz)	30000
Max. TTL Modulation Freq. (Hz)	30000
Modulation Input Signal	0-5 VDC
Total Power Consumption (W)	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.

	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:

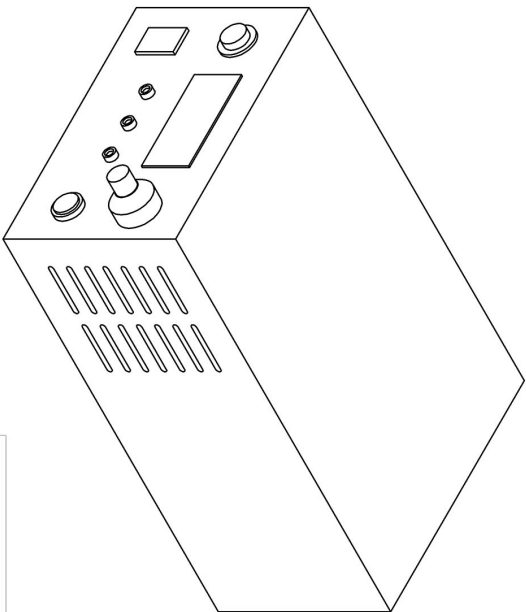
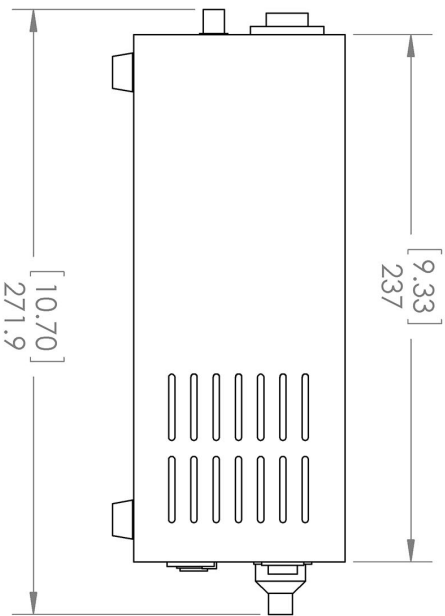
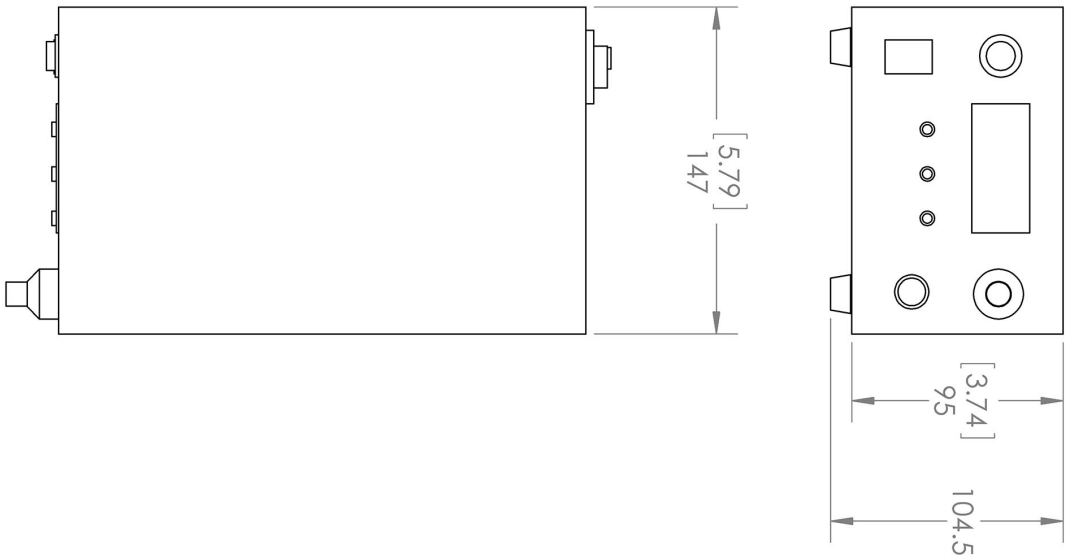
The model you have selected (R5D-O) requires the following safety label(s):



Dimensional Drawing - Laser Form Factor: O:










Dimensional Drawing - Power Supply Form Factor: FO:



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM(INCH) TOLERANCES: +/- 0.75 MM		TITLE: Laserglow Technologies	
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SCALE: 1:3		SHEET 1 OF 1	

Accessories:

The most popular accessories for model R5D-O are shown below. For additional details regarding these or other accessories please see our website or contact us directly.

Part Number	Description	
 ACALBHFXX	Carrying Case-103 Holds Lab/OEM H, F and O size Standard/LabSpec laser Full Details: www.laserglow.com/ACA	Included With Laser
 AGF5565XX	LSG-556-NF-5 Fit-Over Safety Goggles 556nm Output: OD 5+ at 190-579 nm CE Certified Full Details: www.laserglow.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.laserglow.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.laserglow.com/ACS	
 AFF2002XX	Armored Fiber With FC/PC Connectors 200um Core Multimode 2m length Full Details: www.laserglow.com/AFF	
 AFS2002XX	Armored Fiber With SMA 905 Connectors 200um Core Multimode 2 m length Full Details: www.laserglow.com/AFS	
 TBK	Complete optics kits with breadboard mounting hardware. External modulators, variable attenuators, free-space fiber launch systems Full Details: www.laserglow.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.