

MSL-0527 Single-Longitudinal- Mode DPSS Laser System

Image
Coming
Soon!

Series Specifications:

| | |
|--------------------|----------|
| Nominal Wavelength | 526.5 nm |
| Output Type | CW |
| Laser Source Type | DPSS |

Overview:

Specifications:

This spec sheet has been generated specifically for part number S5A-M, per your request, and data for the entire series is also displayed for your reference. The specs which are specific to S5A-M have been highlighted below in **red + bold**.


| | |
|---|---|
| Output Power (mW) | <5, >20, >30, >50, >80, >100 |
| Output Power Stability (%RMS/4h) | <1, <2, <3, <5 |
| Central Wavelength (nm) | 526.5 |
| Divergence (mrad, full angle) | <1.5 |
| Beam Dimensions (mm, 1/e ²) | 1.2 |
| Warm-up Time (minutes) | 10 |
| Optical Noise Amplitude (%RMS @ 20 Hz - 20 MHz) | <1 |
| Spectral Linewidth (nm) | <1.0E-5 |
| M ² | <1.2 |
| Coherence Length (m) | >50 |
| Operating Temperature Range (°C) | 15 to 35 |
| Max. Power Input Duty Cycle | 100% |
| Standard Warranty (months) | 12 |
| MTTF (operational hours) | 10000 |
| Weight of Product or Laser Head (kg) | 0.6 |
| Beam Height from Base Plate (mm) | 24.8 |
| Dimensions of Product or Laser Head (mm) | 140.8 (l) x 73 (w) x 46.2 (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: | SM |
|  FDA-Compliant Standard | Input Power | 85v to 264v |
| | Power Supply Weight (kg) | 1.2 |
| | Dimensions (mm) | 133 (l) x 130 (w) x 65 (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:

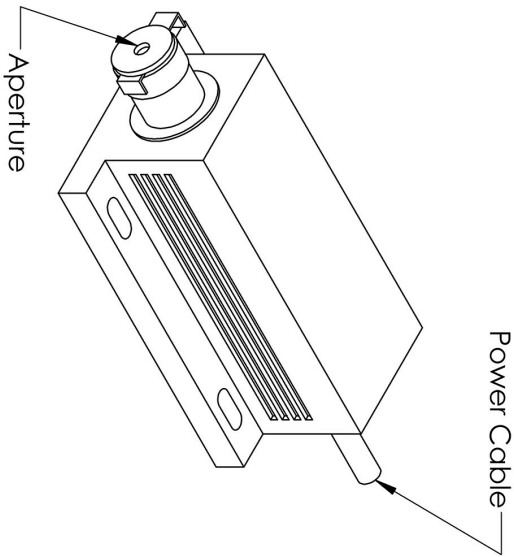
The model you have selected (S5A-M) requires the following safety label(s):



Dimensional Drawing - Laser Form Factor: M:



DETAIL A
SCALE 1 : 1



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM(INCH)
TOLERANCES: +/- 0.75 MM

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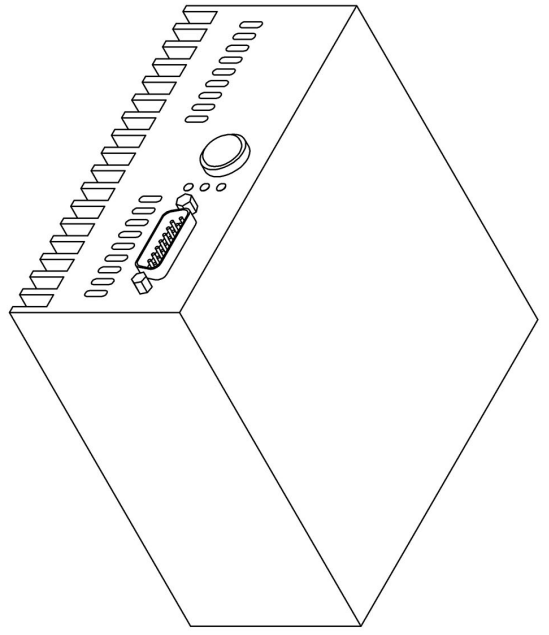
TITLE:

Lab/OEM
M/R Housing REV 1

SCALE: 1:2

SHEET 1 OF 1

Dimensional Drawing - Power Supply Form Factor: SM:



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MM(INCH)
 TOLERANCES: +/- 0.75 MM








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| | |
|--|--------------|
| TITLE: Power Supply SM/SR REV 1 | |
| SCALE: 1:2 | SHEET 1 OF 1 |

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Accessories:

The most popular accessories for model S5A-M 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 | |
|  AFS2002XX | Armored Fiber With SMA 905 Connectors 200um Core Multimode 2 m length Full Details: www.arktislaser.com/AFS | |
|  AFF2002XX | Armored Fiber With FC/PC Connectors 200um Core Multimode 2m length Full Details: www.arktislaser.com/AFF | |
|  TBK | Complete optics kits with breadboard mounting hardware. External modulators, variable attenuators, free-space fiber launch systems Full Details: www.arktislaser.com/TBK | |
|  ACALBMXXX | Carrying Case-102 Holds Lab/OEM M, R and S size, standard or LabSpec laser Full Details: www.arktislaser.com/ACA | Included With Laser |

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.