

## Mini-IR™ Series

Rugged miniature DPSS laser packaged in a standard semiconductor can for integration flexibility, reliability, and high-tolerance to G forces

### Features:

- Can size Ø9.0 mm
- Alignment-free optical design
- High Electro-optic Efficiency



Optical Specifications	Mini-IR™ 250
Operating Mode	CW
Output Power (mW)	> 250
Output Center Wavelength (nm)	1064
Polarization Ratio (typ.)	> 250 : 1
Full Angle (1/e <sup>2</sup> ) Divergence (mrad, typ.)	13
Beam Diam. (1/e <sup>2</sup> ) @ Output Window (µm, typ.)	108
Mode Quality (M <sup>2</sup> , typ.)	1.5
Noise (% RMS)	< 0.5
<b>Electrical Input Requirements</b>	
Voltage (V)	< 1.8
Current (A)	< 1.3
Electrical Power (W)	< 2.9
<b>Other Specifications</b>	
CDRH Class	IIIB
Warm-up Time <sub>2</sub> (minutes)	< 5
Storage Temperature (°C)	-40 to +80
Warranty (Year)	1

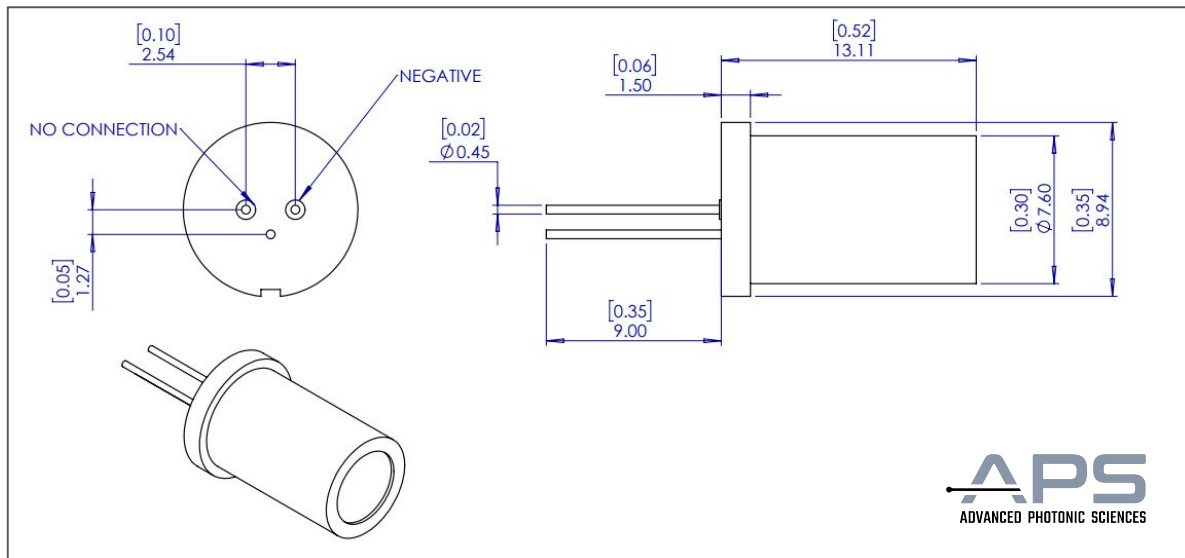
Specifications subject to change without notice. Other notes:

1. All specifications measured at factory-determined laser drive current and temperature settings, chosen within the 25° to 35° C range using a temperature-controlled heat sink. Higher temperature settings available with reduced output power specifications.
2. Depends on thermal management.

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## Mechanical Specifications



## Notes

APS offers a limited warranty.

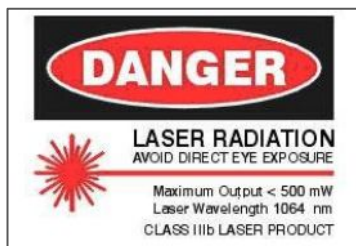
The Mini-IR™ Laser is an electronic device, and, as such, subject to damages due to electrostatic discharge, overpowering, and transients.

Thermal management of the Mini-IR™ Laser must be included in the OEM design. Failures due to inadequate thermal management will void the warranty.

Please refer to APS' Warranty Statement / Return Policy for details. For assistance in any integration issues, please contact our experienced Applications Team at [info@apslasers.com](mailto:info@apslasers.com)

U.S. and international patents pending.

Class IIIB <500 mW



This product is sold as an OEM laser product and does not fully comply with 21 CFR 1020 and IEC 60825-1 : 1993 as applicable.

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