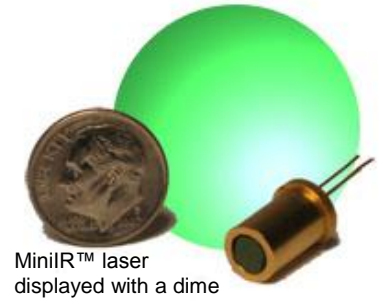


Advanced Photonic Sciences

MiniIR™ Series

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



MiniIR™ laser displayed with a dime

Features:

- Can size Ø9.0 mm
- Alignment-free optical design
- High electro-optic efficiency

Optical Specifications ¹	MiniIR™ 250
Operating Mode	CW
Output Power (mW)	> 250
Output Center Wavelength (nm)	1064
Polarization Ratio (typical)	>250:1
Full Angle (1/e ²) Divergence (mrad, typical)	13
Beam Diameter (1/e ²) at Output Window (µm, typical)	108
Mode Quality (M ₂ , typical)	1.5
Noise (% RMS)	< 2

Electrical Input Requirements	
Voltage (V)	< 1.8
Current (A)	< 1.3
Electrical Power (W)	< 2.9

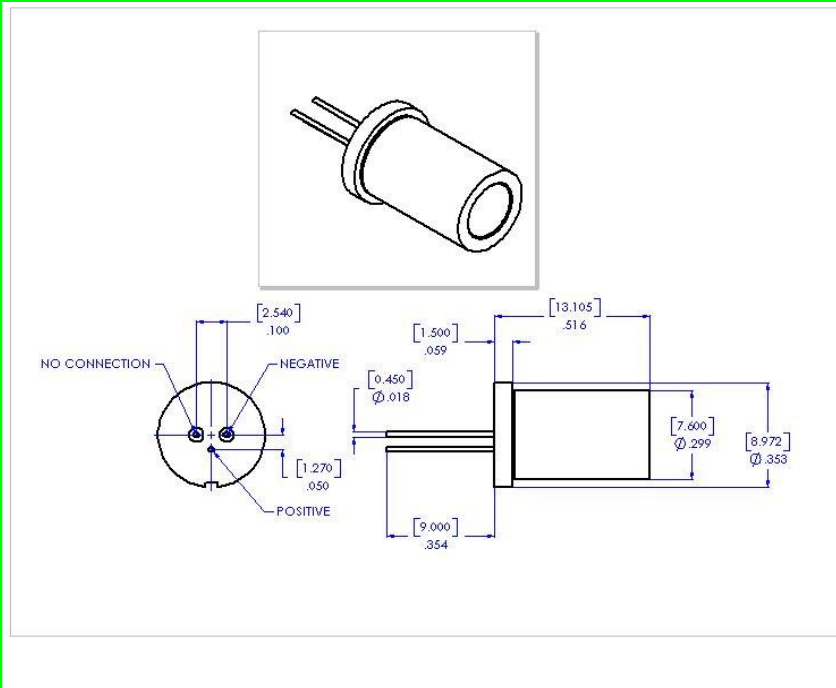
Other Specifications	
CDRH Class	IIIB
Warm-up Time ² (minutes)	< 5
Storage	- 40° to + 80°
Warranty (year)	1

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

Mechanical Specifications



Notes

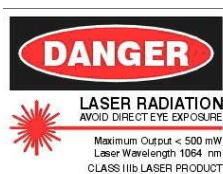
Advanced Photonic Sciences offers a limited warranty.

The MicroGreen™ Laser is an electronic device, and, as such, subject to damages due to electro-static discharge, overpowering, and transients.

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

Please refer to Advanced Photonic Sciences' Warranty Statement / Return Policy for details. For assistance in any integration issues, please contact our experienced Applications Team at sales@advancedphotonicsciences.com

U.S. and international patents pending.



This product is sold as an OEM laser product and does not fully comply with 21 CFR 1040 and IEC 60825-1 : 1993 as applicable.

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