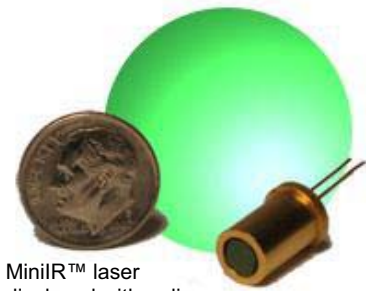




## MinilR™ Series

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



MinilR™ laser displayed with a dime

### Features:

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

Optical Specifications <sup>1</sup>	MinilR™ 350
Operating Mode	CW
Output Power (mW)	> 350
Output Center Wavelength (nm)	1064
Polarization Ratio (typ.)	>250:1
Full Angle (1/e <sup>2</sup> ) Divergence (mrad, typ.)	13
Beam Diameter (1/e <sup>2</sup> ) at Output Window (µm, typ.)	108
Mode Quality (M2, typ.)	1.5
Noise (% RMS)	< 2

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

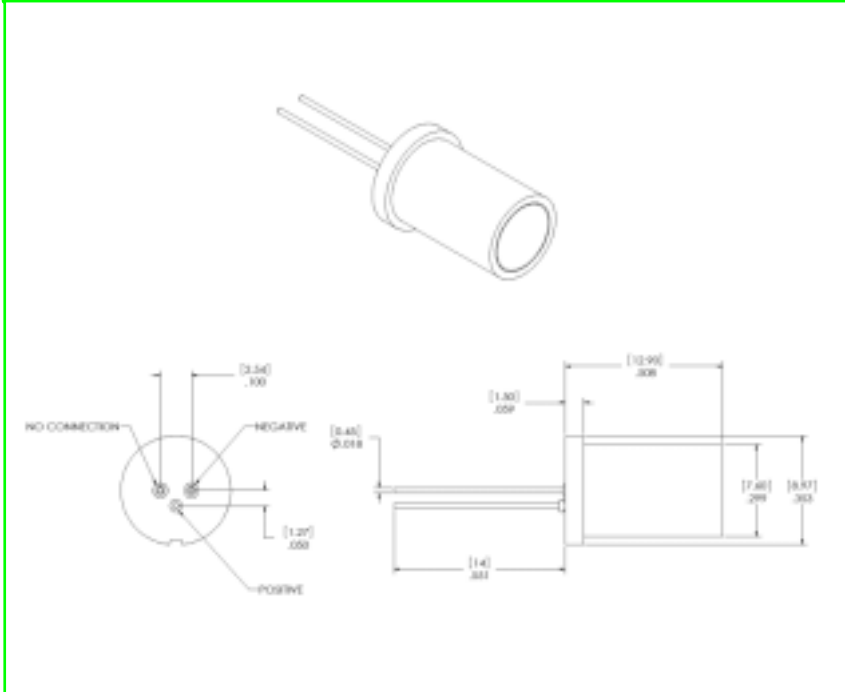
Other Specifications	
CDRH Class	IIIB
Warm-up Time <sup>2</sup> (minutes)	< 5
Storage	- 40 to + 80
Warranty (year)	1

Specifications subject to change without notice. Other notes:

1. All specifications measured at factory-determined laser drive current and temperature settings, chosen within the 20 to 30 °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

Snake Creek Lasers offers a limited warranty.

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

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

Please refer to Snake Creek Lasers' Warranty Statement / Return Policy for details. For assistance in any integration issues, please contact our experienced Applications Team at [sales@snakecreeklasers.com](mailto:sales@snakecreeklasers.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.

