



MiniGreen™ laser displayed with a dime

MiniGreen™ 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
- Highest commercially available power density

| Optical Specifications ¹ | MiniGreen™ 100 | MiniGreen™ 150 | MiniGreen™ 200 |
|---|----------------|----------------|----------------|
| Operating Mode | CW | | |
| Output Power (mW) | > 100 | > 150 | > 200 |
| Output Center Wavelength (nm) | 532 | | |
| Ambient Temperature Range @80% (C, typ.) | 12 | | |
| Polarization Ratio (typ.) | 4:1 | | |
| Full Angle (1/e ²) Divergence (mrad, typ.) | 11 | | |
| Beam Diameter (1/e ²) at Output Window (µm, typ.) | 120 | 120 | 130 |
| Mode Quality (M ² , typ.) | 1.6 | | |
| Residual 1064nm Leakage (%) | < 0.5 | | |
| Noise (% RMS) | < 2 | | |

| Electrical Input Requirements | |
|-------------------------------|-------|
| Voltage (V) | < 2.2 |
| Current (A) | < 1.4 |
| Electrical Power (W) | < 3.1 |

| Other Specifications | |
|---|-------------|
| CDRH Class | IIIB |
| Warm-up Time ² (minutes) | < 2 |
| Storage Temperature (C) | -40 to +80 |
| Operating Temperature ³ (C, non-condensing) | ~+10 to +50 |
| Warranty (year) | 1 |

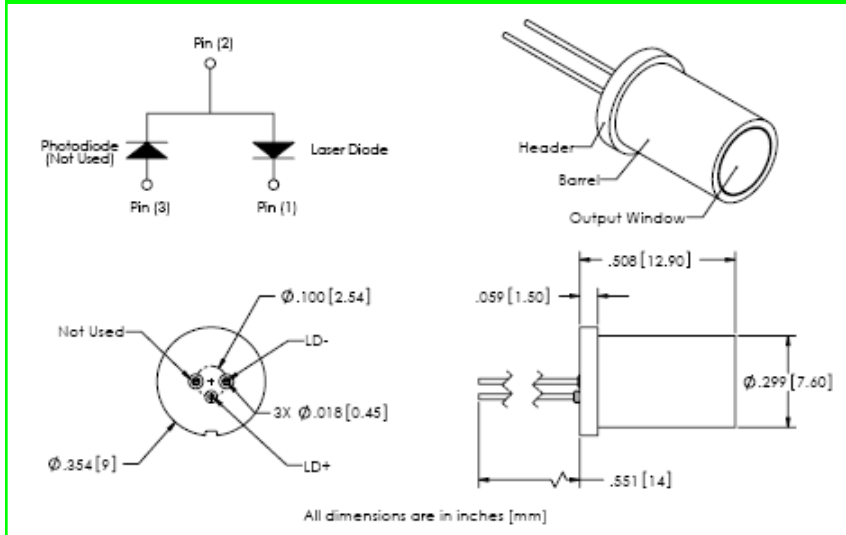
Specifications subject to change without notice. Other notes:

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. Dependent on thermal management.

3. At the center of the header between the three pins.

Mechanical Specifications



Notes

Snake Creek Lasers offers a limited warranty.

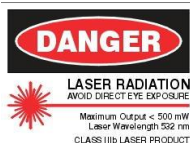
The MiniGreen™ Laser is an electronic device, and, as such, subject to damages due to electro-static discharge, overpowering, and transients.

Thermal management of the MiniGreen™ 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 info@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.



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