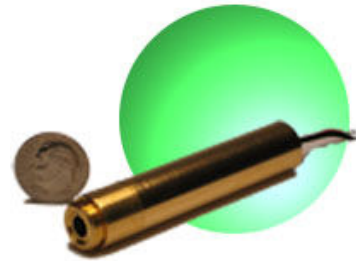




MicroGreen™ CC Series

A DPSS laser module with optional beam-expander or line-generating optics provided in a 0.5 inch diameter package.



Features:

- Convenient size for standard optic mounts
- Low cost

| Optical Specifications ¹ | MicroGreen CCX | MiniGreen CCL |
|--|---|---------------|
| Operating Mode | CW | |
| Output Center Wavelength (nm) | 532 | |
| Output Power (mW) | Dependent on laser selection * Transmission loss of less than 10% | |
| Ambient Temperature Range @ 80% (°C, typ.) | 12 | |
| Power Stability over 2 Hours in +/- 2°C Ambient (% p-p) | < +/- 5 | |
| Noise (% RMS) | < 1 | |
| Polarization Ratio (typ.) | 4:1 | N/A |
| Full Angle (1/e ²) Divergence | 7.5 | |
| Full Angle (1/e ²) Divergence w/4, 8, or 16X Beam Expander (mrad, typ.) | 1.9, 1.0, or 0.5 | N/A |
| Corresponding Beam Diameter (1/e ²) w/4, 8, or 16X Beam Expander at Output Lens (mm, typ.) | 0.5, 1.0, or 1.7 | N/A |
| Mode Quality (M ² , typ.) | 1.2 | |
| Line Optics (degrees) | | 5 to 90 |
| Residual 1064nm Leakage (%) | < 0.5 | |

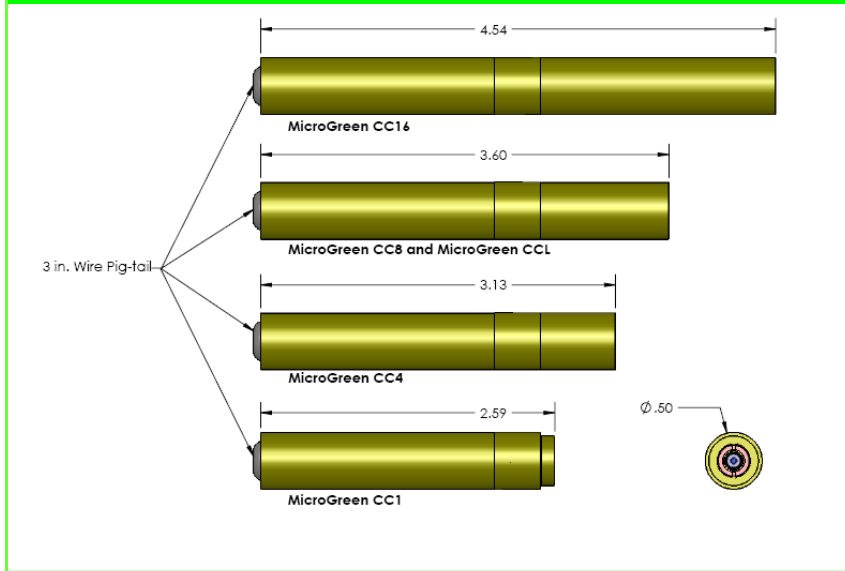
| Electrical Input Requirements | |
|-------------------------------|------------|
| Input Voltage (V) | 2.5 to 3.0 |
| Current (mA) | < 245 |
| Electrical Power (W) | < 0.75 |

| Other Specifications | |
|------------------------|--|
| CDRH Class | IIIA or IIIB dependent on output power |
| Warm-up Time (minutes) | < 5 |
| Storage (°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 TEC temperature settings, chosen within the 20° to 30° C range. Consult factory to discuss applications requiring TEC settings outside the 20° to 30° C range.

Mechanical Specifications



Notes

Snake Creek Lasers offers a limited warranty. Please refer to Snake Creek Lasers' Warranty Statement / Return Policy for details.

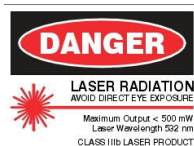
MicroGreen™ laser modules are electronic devices, and, as such, subject to damages due to electro-static discharge, overpowering, and transients.

For assistance in any integration issues, please contact our experienced Applications Team at info@snakecreeklasers.com.

U.S. and international patents pending.

Class IIIA <5mW

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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