



MicroGreen™ laser displayed with a dime

MicroGreen™ Series

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

Features:

- Can size Ø5.6 mm--smallest commercially available green DPSS laser
- Alignment-free optical design
- High electro-optic efficiency

Optical Specifications ¹	MicroGreen™ 5	MicroGreen™ 15	MicroGreen™ 30
Operating Mode	CW		
Output Power (mW)	< 5	>15	> 30
Output Center Wavelength (nm)	532		
Ambient Temperature Range @80% (C, typ.)	12		
Polarization Ratio ² (typ.)	4:1		
Full Angle (1/e ²) Divergence (mrad, typ.)	7.5		
Beam Diameter (1/e ²) at Output Window (µm, typ.)	100		
Mode Quality (M2, typ.)	1.1		
Residual 1064nm Leakage (%)	< 0.5		
Noise (% RMS)	< 1		

Electrical Input Requirements	
Voltage (V)	< 1.8
Current (mA)	< 245
Electrical Power (W)	<0.4

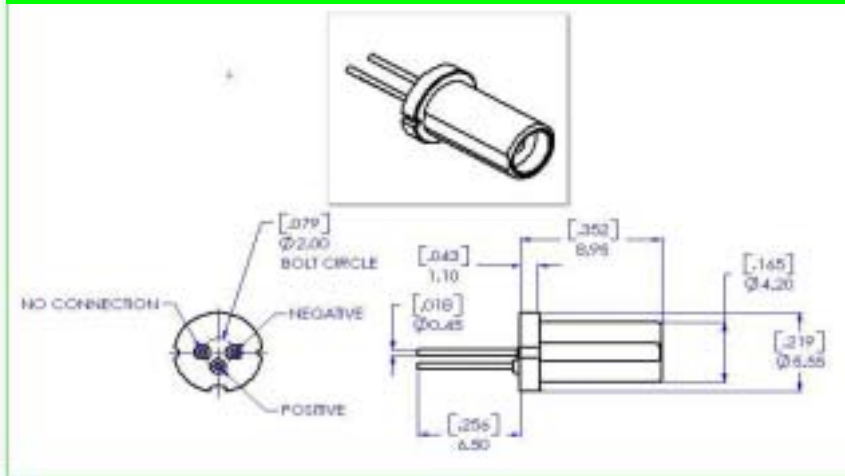
Other Specifications			
CDRH Class	IIIA	IIIB	IIIB
Warm-up Time ³ (minutes)	< 5		
Storage	- 40 to + 80		
Warranty (year)	1		

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 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 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

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.

