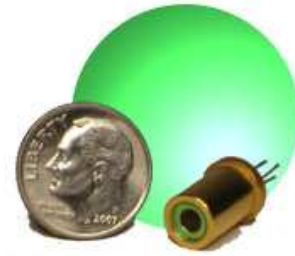


## MiniGreen™ Series

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



MiniGreen™ laser displayed with a dime

### Features:

- Can size Ø9.0 mm
- Alignment-free optical design
- High electro-optic efficiency
- Highest commercially available power density

Optical Specifications <sup>1</sup>	MiniGreen™ A50	MiniGreen™A100	MiniGreen™ 150	MiniGreen™ 200
Operating Mode	CW			
Output Power (mW)	> 50	> 100	> 150	> 200
Output Center Wavelength (nm)	532			
Ambient Temp. Range @80% (°C, typ.)	12			
Polarization Ratio (typ.)	4:1			
Full Angle (1/e <sup>2</sup> ) Div. (mrad, typ.)	8		11	
Beam Diam. (1/e <sup>2</sup> ) (µm, typ.)	110	110	120	130
Mode Quality (M <sup>2</sup> , typ.)	1.4		1.6	
Residual 1064nm Leakage (%)	< 0.5			
Noise (% RMS)	< 1		< 2	

Electrical Input Requirements	MiniGreen™ A50	MiniGreen™A100	MiniGreen™ 150	MiniGreen™ 200
Voltage (V)	< 2.2		< 2.2	
Current (A)	< 0.6		< 1.4	
Electrical Power (W)	< 1.3		< 3.1	

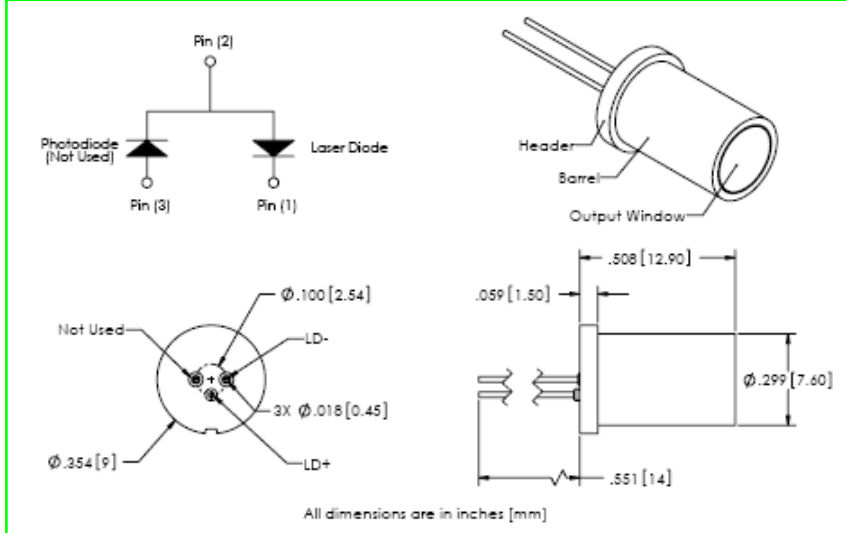
Other Specifications	MiniGreen™ A50	MiniGreen™A100	MiniGreen™ 150	MiniGreen™ 200
CDRH Class	IIIB			
Warm-up Time <sup>2</sup> (minutes)	< 2			
Storage Temperature (°C)	-40 to +80			
Operating Temperature (°C, non-condensing)	~+10 to +50			
Warranty (year)	1			

Specifications subject to change without notice. Other notes:

1. All specifications measured at factory-determined laser drive current and temperature settings, chosen within the 25° to 35° C range using a temperature-controlled heat sink. Higher temperature settings available with reduced output power specifications.

2. Dependent on thermal management.

## 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 [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.



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