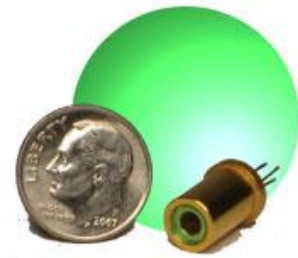


Advanced Photonic Sciences

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-Efficiency

Optical Specifications ¹	MiniGreen™ A50	MiniGreen™ A70	MiniGreen™ 100	MiniGreen™ 150
Operating Mode and Wavelength	Continuous wave @ 532 nm			
Output Power (mW)	> 50	> 70	> 100	> 150
Ambient Temp. Range @ 80% (typ.)	12°C			
Polarization Ratio (typ.)	~4:1			
Full Angle (1/e ²) Div. (mrad, typ.)	8		11	
Beam Diam. (1/e ²) @ Window (µm, typ.)	100		110	
Mode Quality (M ² , typ.)	1.4		1.8	
Residual 1064nm Leakage (%)	< 0.5			
Noise (% RMS)	< 1		< 2	

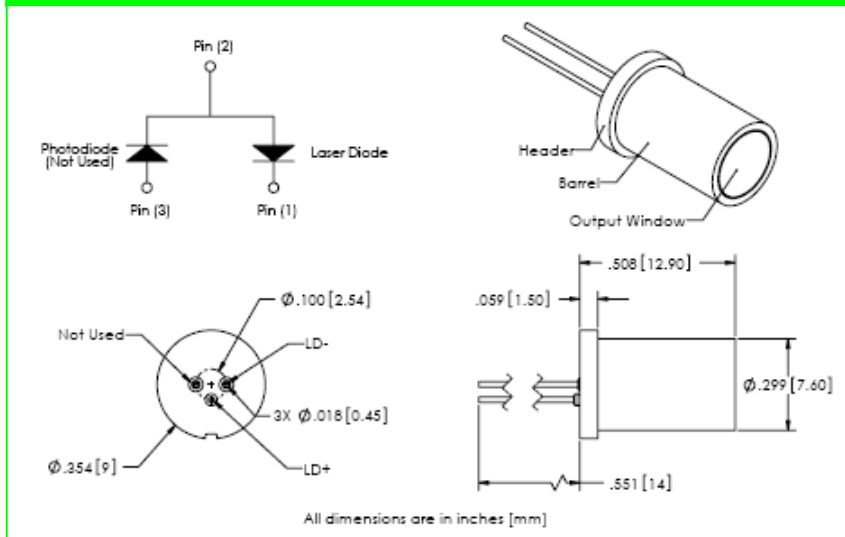
Electrical Input Requirements			
Voltage (V)	< 2.2		
Current (A)	< 0.6	< 1.4	
Electrical Power (W)	< 1.3	< 3.1	

Other Specifications			
CDRH Class	IIIB		
Storage Temperature (°C)	-40 to +80		
Operating Temperature (°C, non-condensing)	~+10 to +50		

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.

Mechanical Specifications



Notes

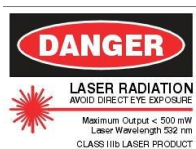
Advanced Photonic Sciences offers a limited warranty.

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 Advanced Photonic Sciences' Warranty Statement / Return Policy for details. For assistance in any integration issues, please contact our experienced Applications Team at sales@advancedphotonicsciences.com

U.S. and international patents pending.



This product is sold as an OEM laser product and does not fully comply with 21 CFR 1040 and IEC 60825-1 : 1993 as applicable.

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