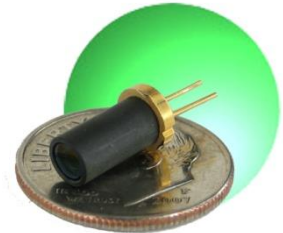


Advanced Photonic Sciences

MicroGreen™ Series

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



MicroGreen™ laser displayed on a dime

Features:

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

Optical Specifications ¹	MicroGreen™ 05	MicroGreen™ 15	MicroGreen™ 30	MicroGreen™ 50
Operating Mode	CW			
Output Power (mW)	> 5	> 15	> 30	> 50
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.)	7.5			
Beam Diameter (1/e ²) at Output Window (µm, typ.)	100			
Mode Quality (M ² , typ.)	1.1			1.2
Residual 1064nm Leakage (%)	< 0.5			
Noise (% RMS)	< 0.5			

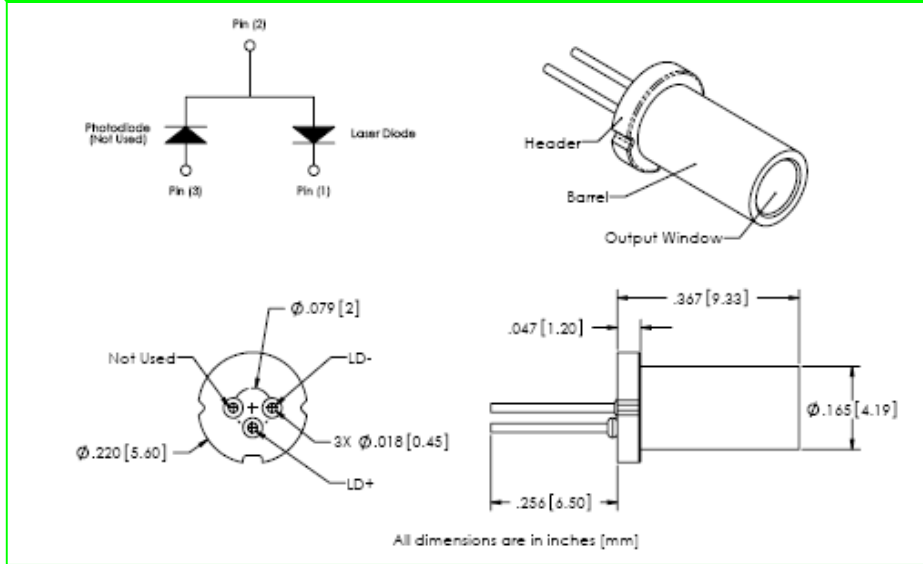
Electrical Input Requirements				
Voltage (V)	< 2.2			
Typ./Max. Drive Current (mA)	200/360	240/360	270/360	300/360
Max. Electrical Power (W)	< 0.8			

Other Specifications				
CDRH Class	IIIB			
Storage Temperature (°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 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

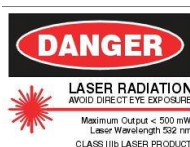
Advanced Photonic Sciences offers a limited warranty.

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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