

MiniGreen-P Series

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

Features:

- Can size Ø9.0 mm
- Alignment-free optical design
- High-Efficiency



Optical Specifications ₁	MiniGreen A50P	MiniGreen 100P
Operating Mode and Wavelength	Continuous Wave @ 532nm	
Output Power (mW)	> 50	> 100
Ambient Temp. Range @ 80% (typ.)	12 °C	
Polarization Ratio (typ.)	> 100:1	
Full Angle (1/e ²) Div. (mrad, typ.)	8	11
Beam Diam. (1/e ²) @ Window (µm, typ.)	100	110
Mode Quality (M2, typ.)	1.4	1.6
Residual 1064nm Leakage (%)	< 0.5	
Noise (% RMS)	< 1	
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	
Warm-up Time ₂ (minutes)	< 2	
Storage Temperature (°C)	-40 to +80	
Operating Temperature (°C, noncondensing)	~ +10 to +50	

Specifications subject to change without notice.

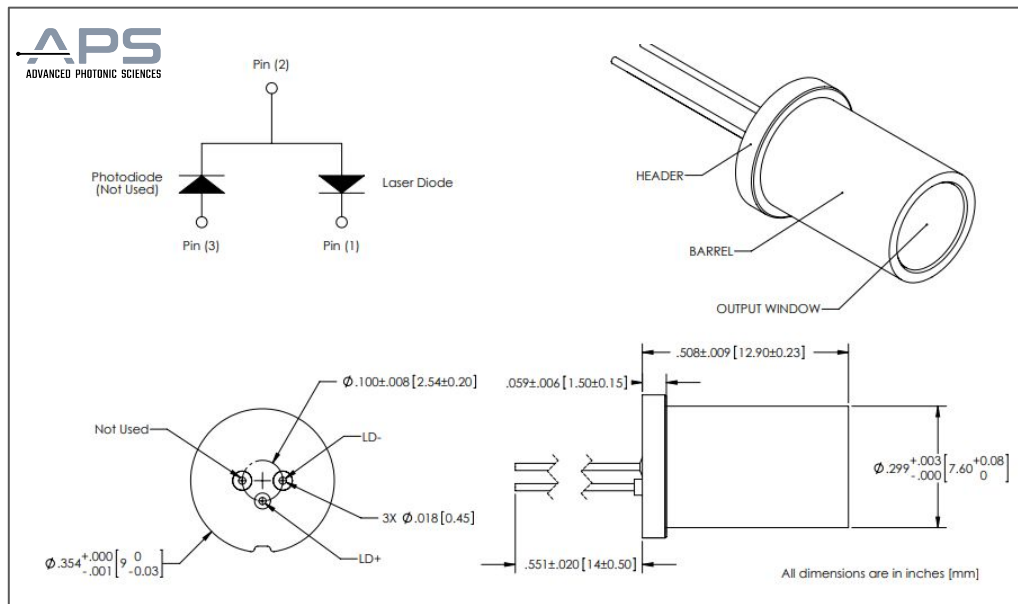
Other notes:

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.
2. Dependent on thermal management.

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Mechanical Specifications



Notes

APS offers a limited warranty.

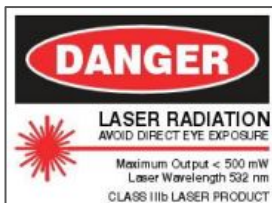
The MiniGreen-P Laser is an electronic device, and, as such, subject to damages due to electrostatic discharge, overpowering, and transients.

Thermal management of the MiniGreen-P Laser must be included in the OEM design. Failures due to inadequate thermal management will void the warranty.

Please refer to APS' Warranty Statement / Return Policy for details. For assistance in any integration issues, please contact our experienced Applications Team at info@apslasers.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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