



MiniGreen™ IM Series

A DPSS laser module with active temperature control and drive electronics integrated on a common thermal interface for easy integration into OEM applications.



Features:

- Improved power stability over wide ambient temperature range
- Alignment-free optical design
- Low cost

Optical Specifications ¹	MiniGreen IM-100	MiniGreen IM-150	MiniGreen IM-200
Operating Mode	CW		
Output Center Wavelength (nm)	532		
Output Power (mW)	> 100	> 150	> 200
Ambient Temperature Range (C)	+ 10 to + 35		
Power Stability over 2 Hours in +/- 2 C Ambient (% p-p)	< +/- 2		
Noise (% RMS)	< 2		
Polarization Ratio ² (typical)	4:1		
Full Angle (1/e ²) Divergence (mrad, typical)	11		
Beam Diameter (1/e ²) at Output Window (µm, typical)	120	120	130
Mode Quality (M ₂ , typical)	1.6		
Residual 1064nm Leakage (%)	< 0.5		

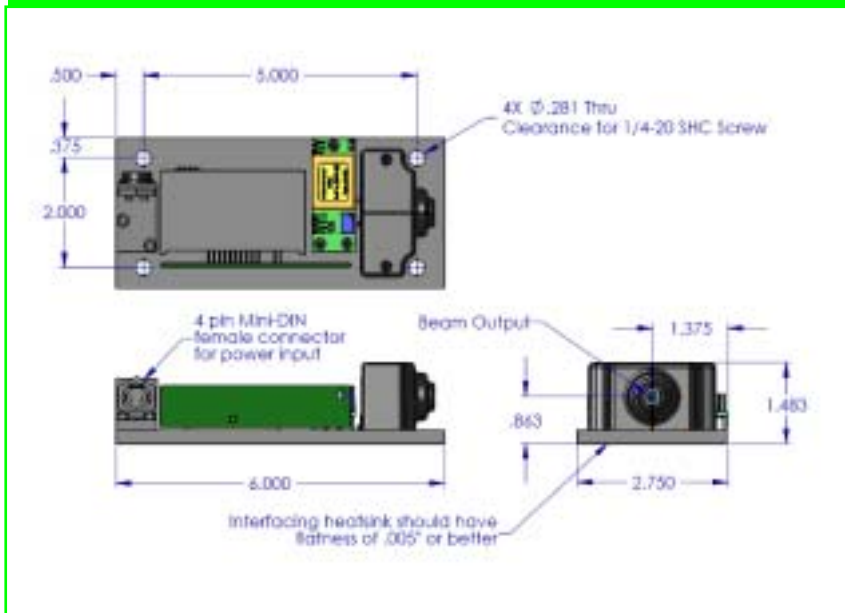
Electrical Input Requirements	
Input Voltage (V _{AC})	100 - 240
Line Frequency (Hz)	50/60
Electrical Power (W)	< 10

Other Specifications	
CDRH Class	IIIB
Warm-up Time (minutes)	< 5
Storage (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 TEC temperature settings, chosen within the 20 to 30 C range. Consult factory to discuss applications requiring TEC settings outside the 20 to 30 C range.
2. More than 100:1 polarization ratio available with optional polarizer.

Mechanical Specifications



Notes

Snake Creek Lasers offers a limited warranty.

The MiniGreen™ IM laser module is an electronic device, and, as such, subject to damages due to electro-static discharge, overpowering, and transients.

To assure stable operation, the base plate of the MiniGreen™ IM Laser Module must be thermally attached onto a larger heat sink or alternatively subjected to forced airflow. 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 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.

