



MicroGreen™ CC Series

A DPSS laser module with optional beam-expander or line-generating optics provided in a 0.5 inch diameter package.



Features:

- Convenient size for standard optic mounts
- Low cost

Optical Specifications ¹	MicroGreen CCX	MiniGreen CCL
Operating Mode	CW	
Output Center Wavelength (nm)	532	
Output Power (mW)	Dependent on laser selection * Transmission loss of less than 10%	
Ambient Temperature Range @ 80% (°C)	12	
Power Stability over 2 Hours in +/- 2°C Ambient (% p-p)	< +/- 5	
Noise (% RMS)	< 1	
Polarization Ratio (typical)	4:1	N/A
Full Angle (1/e ²) Divergence	7.5	
Full Angle (1/e ²) Divergence w/4,8, or 16X Beam Expander (mrad, typ.)	1.9, 1.0, or 0.5	N/A
Corresponding Beam Diameter (1/e ²) w/4, 8, or 16X Beam Expander at Output Lens (mm, typ.)	0.5, 1.0, or 1.7	N/A
Mode Quality (M ² , typical)	1.2	
Line Optics (degrees)		5 to 90
Residual 1064nm Leakage (%)	< 1.0	

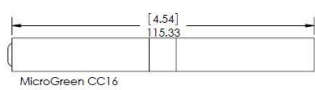
Electrical Input Requirements	
Input Voltage (V)	2.5 to 3.0
Current (A)	< 290
Electrical Power (W)	< 0.90

Other Specifications	
CDRH Class	IIIA or IIIB dependent on output power
Warm-up Time (minutes)	< 5
Storage (°C)	- 40 to + 80
Warranty (year)	1

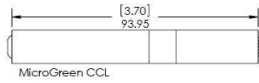
Specifications subject to change without notice. Other notes:

1. All specifications measured at factory-determined laser drive current and TEC temperature settings, chosen within the 25° to 35° C range. Consult factory to discuss applications requiring TEC settings outside the 25° to 35° C range.

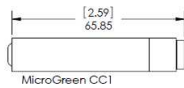
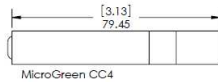
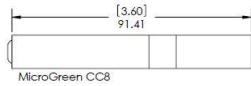
Mechanical Specifications



Front View: CC16, CC8, CC4



Front View: CCL



Front View: CC1

NOTE: All CC Modules Come With 3in. Electrical Leads.

Notes

Snake Creek Lasers offers a limited warranty. Please refer to Snake Creek Lasers' Warranty Statement / Return Policy for details.

MicroGreen™ laser modules are electronic devices, and, as such, subject to damages due to electro-static discharge, overpowering, and transients.

For assistance in any integration issues, please contact our experienced Applications Team at sales@snakecreeklasers.com

U.S. and international patents pending.

Class IIIA <5mW 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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