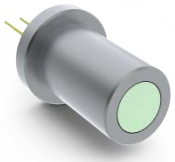
Advanced Photonic Sciences



MiniIR-XG-1550 Miniature CW Eye-Safe Solid-State Laser

Ideal For CW Eye-Safe Laser Illumination and Covert Imaging

Features

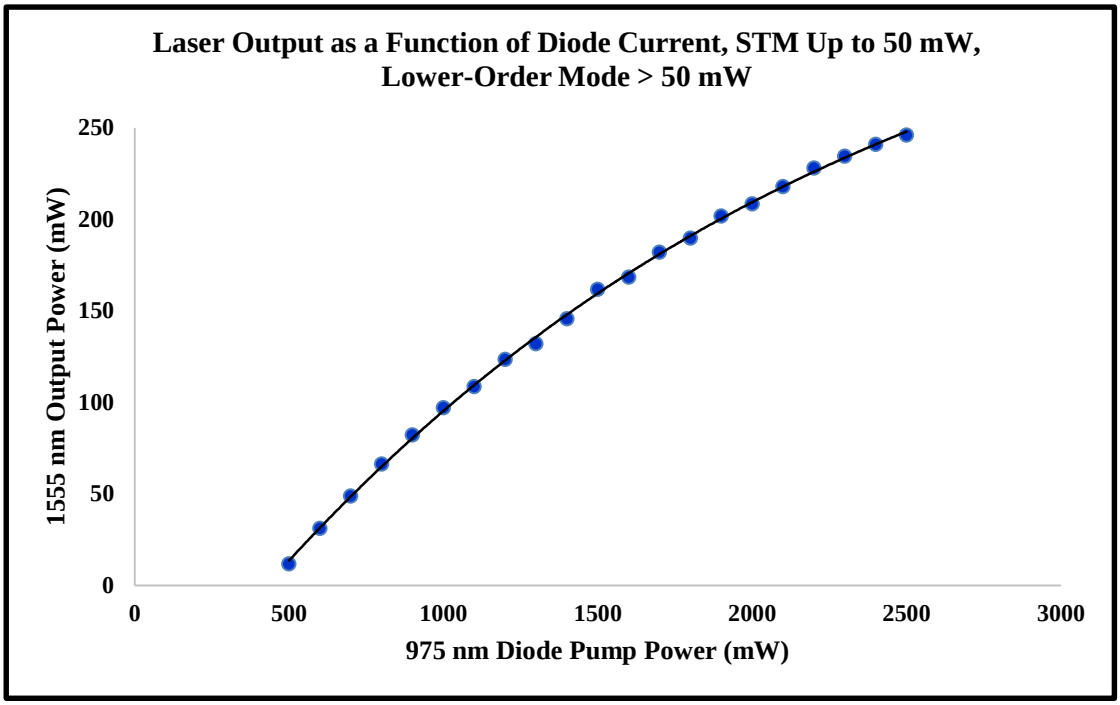
- > 50 mW TEM_{00}, > 200 mW CW Output Power Low-Order Mode
- Diode-Pumped Yb, Er:Glass Laser
- $M^2 < 1.1$
- Excellent Short and Long-Term Power Stability
- Small TO Type Package
- Lightweight and Rugged

Optical Specifications	Value
Operating Mode	CW
Output Power (mW)	> 50 mW STM, > 200 mW MTM
Output Center Wavelength (nm)	1550
Polarization Ratio (typical)	Unpolarized
Full Angle ($1/e^2$) Divergence (mrad, typical)	32
Beam Diameter ($1/e^2$) at Output Window (µm, typical)	62
Mode Quality (M^2, typical)	< 1.1

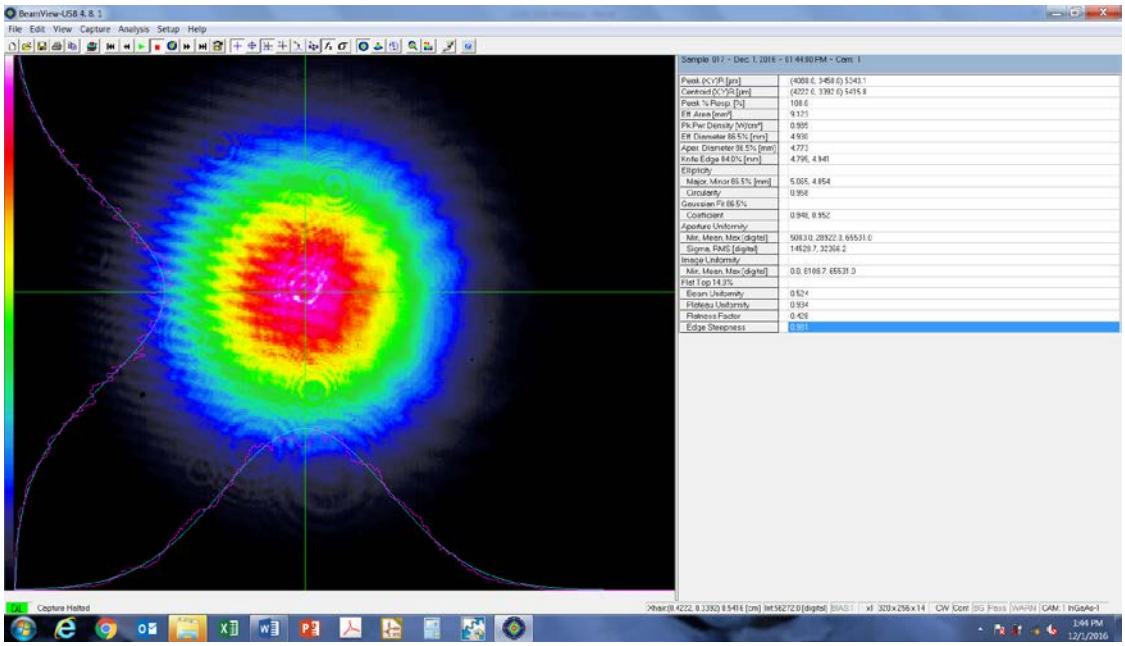
Electrical Input Requirements	Value
Voltage (V)	< 2.3
Current (A)	< 2.5
Electrical Power (W)	< 6

Other Specifications	Value
CDRH Class	III
Warm-up Time[2] (minutes)	< 5
Storage	- 40° to + 80°
Warranty (Year)	1

Specifications subject to change without notice.

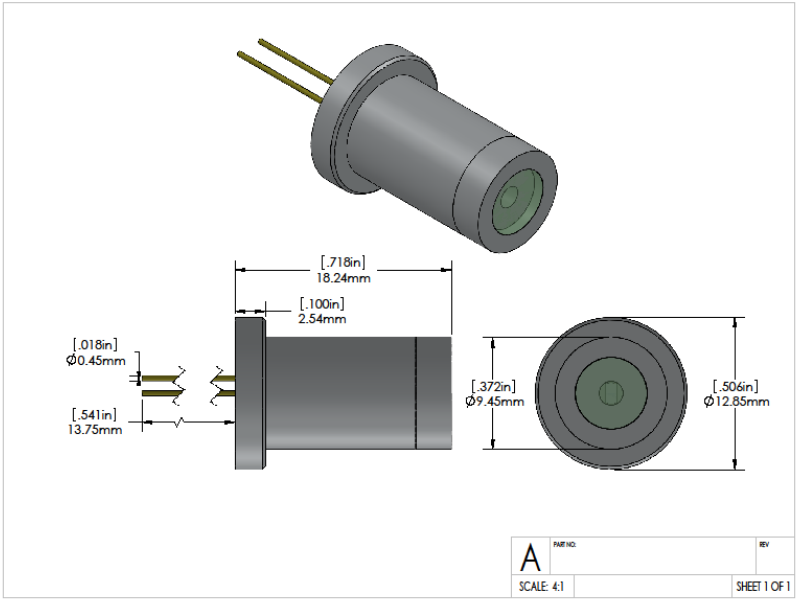


Output Beam Profile at 700 mA Diode Current



Specifications subject to change without notice.

Mechanical Specifications



Notes

Advanced Photonic Sciences offers a limited warranty.

The MiniIR-XG-1550 Laser is an electronic device, and, as such, subject to damages due to electro-static discharge, overpowering, and transients.

Thermal management of the MiniIR-XG-1550 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 with any integration issues, please contact our experienced Applications Team at sales@advancedphotonicsciences.com

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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