



## NECSEL™ RED

RED LASER DIODE BAR - 640 NM

Version 1.1



### BRIGHT & RELIABLE

The Necsel Red Laser specifications exceed the industry standard. This laser produces an impressive 8W of power in a package less than a few cubic inches. For users who want to get started right away, combine this laser with the Necsel Red Developer's Kit.

#### FEATURES

- 8 W of Power\*
- 30,000 hrs of Lifetime\*
- FAC/ SAC Lensing Included
- Thermistor Included
- Industry Standard Package
- Optional Fiber-Coupling
- Optional Developer's Kit

#### APPLICATIONS

- Digital Projection
- Remote Source Lighting
- Hazardous Lighting
- Theme Park Attractions
- Forensics
- Medical
- Therapeutic

## SPECIFICATIONS SUMMARY

Parameter	Min	Limits Typ	Max
Operating Power*	-	-	8.0 W
Temperature	25°C		
Wavelength Range	635 nm	638 nm	642 nm
Slope Efficiency	0.9 W/A		

## RECOMMENDED DRIVE CONDITIONS

Laser Diode Voltage	-	-	3.0 V
Operating Current* (CW)	-	-	14 A
Threshold Current	3.5 A		

## LENSING OPTIONS

Fast-Axis Collimation	< 4 mrad
Slow-Axis Collimation	< 40 mrad

## FIBER-COUPLING OPTIONS

Connector	SMA-905
Fiber Core Diameter	400 μm
Fiber NA	0.22 or 0.39

## OPTIONAL ACCESSORIES



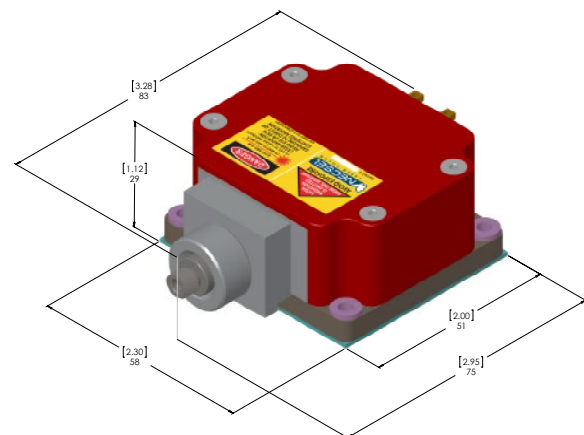
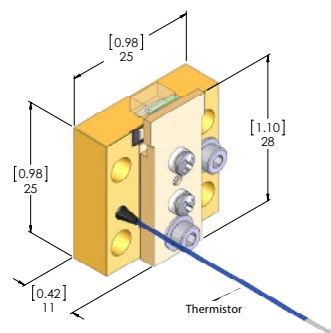
TRANSPORT FIBER



DEVELOPER'S KIT



FIBER-COUPLED



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\*Specifications of lifetime, power, and operating current varies depending on product usage.