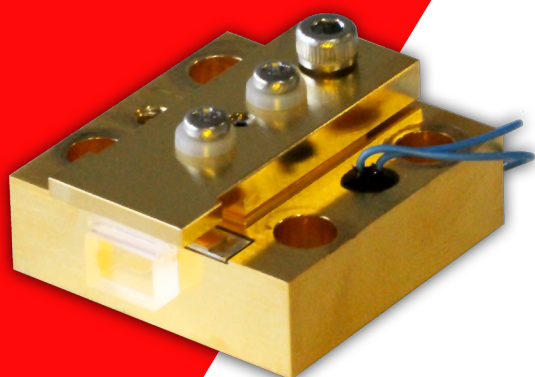




NECSEL™ RED

RED LASER DIODE BAR - 660 NM

Version 1.0



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

- Up to 8W of Power
- Up to 30,000 hrs of Lifetime
- FAC/ SAC Lensing Included
- Industry Standard Package
- Easily Modulated
- 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	645 nm	657 nm	660 nm
Slope Efficiency		1.0 W/A	

RECOMMENDED DRIVE CONDITIONS

Laser Diode Voltage	2.1 V
Operating Current (CW)	11 A
Threshold Current	3.5 A

LENSING OPTIONS

Fast-Axis Collimation	< 15 mrad
Slow-Axis Collimation	< 40 mrad

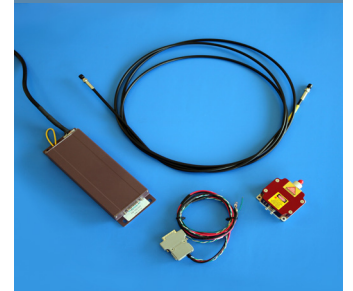
FIBER-COUPLING OPTIONS

Connector	SMA-905
Fiber Diameter	400 μm
Fiber NA	0.22

OPTIONAL ACCESSORIES



TRANSPORT FIBER



DEVELOPER'S KIT



FIBER-COUPLED