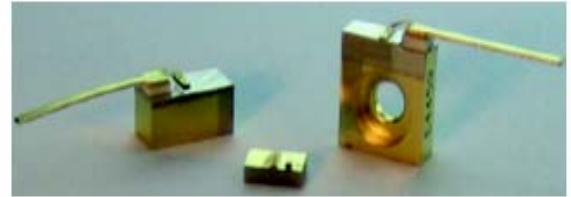


Product Specifications

859 nm Multi-Mode Laser

Diodes 100 μm emitter



Feature

- Up to 1 W CW output power
- High Quality, Reliability, & Performance

Applications

- Graphics
- Medical/Dental
- Industrial
- Defense

Description:

High brightness, high quality, and high reliability are the foundation of our multi mode product line. LaseOptics 860nm multi mode laser diodes are available with up to 1 W of continuous output power from a 100 μm single emitter chip. LaseOptics trademark laser chip design creates un-measurable degradation and long lifetimes that make our chips among the most reliable in the industry today. Our 860 nm multi mode line serves a broad range of applications including solid state pumping, graphics, medical, dental, industrial and defense.

Packaging option include industry standard C-mount, B-mount, and q-mount. More production options are available upon request.

Contact us today how LaseOptics can help your research and production!

Standard Product Specifications for 859 nm Multi-mode Diodes

Universal Specifications

Parameter	Unit	Min.	Typ.	Max.
Wavelength Tolerance	nm	-	3	5
Spectrum FWHM	nm	-	3	5
Operating Voltage (V _o)	V	-	1.7	2.0
Life Time	Hours	20,000	-	-
Vertical Far Field	Deg. FWHM	-	30	35
Parallel Far Field	Deg. FWHM	-	8	10
Slope Efficiency (dP/dI)	W/A	0.8	1.0	-
Storage Temperature	°C	-40	-	80
Operating Temperature (T _{op})	°C	-20	25	50
Lead Soldering Temperature	°C	-	-	250

Output Power (W)	Threshold (A) Typ/Min	Operating Current (A) Typ/Max
1.0	0.20/0.25	1.3/1.6

- Note:
- 1) Specifications are subject to Change without notice.
 - 2) All LaseOptics product are TE polarized
 - 3) Threshold current varies with chip dimension, most common threshold are given.
 - 4) All LaseOptics products are RoHS Compliant

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