50W CW Laser Diode Array

Part Number: ARR26C050

Cs PACKAGE

- Packaged Laser Diode Array
- Available With Any Silver Bullet® Configuration
- Silver Bullet® Can Be Mounted P-Side Up Or P-Side Down

OPTICAL CHARACTERISTICS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
CW Power Output	65A at 25°C Heat Sink	50	---	---	W
Operating Current	50W at 25°C Heat Sink	---	59	65	A
Threshold Current	25°C Heat Sink	---	14	20	A
Center Wavelength	50W at 25°C Heat Sink	---	808	---	nm
Wavelength Tolerance	50W at 25°C Heat Sink	---	± 3	---	nm
Spectral Width FWHM	50W at 25°C Heat Sink	---	2.5	5.0	nm
Wavelength Shift	---	---	0.25	---	nm/°C
Beam Divergence FWHM	---	---	42x12	---	° x °

ELECTRICAL CHARACTERISTICS

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Series Resistance	25°C Heat Sink	---	0.006	0.012	ohms
Operating Voltage	25°C Heat Sink, 40W	---	1.9	2.1	V

ABSOLUTE MAXIMUM RATINGS

PARAMETER	CONDITIONS
Forward Current	65A
Reverse Current	25µA
Reverse Voltage	1V
Operating Temperature Range (2)	-20°C to 50°C
Storage Temperature Range	-40°C to 85°C

NOTES

(1) These specifications apply for operation at 808nm.

(2) A dry nitrogen environment should be provided by the user when storing and operating at temperatures below ambient dew point.

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光技術をサポートする
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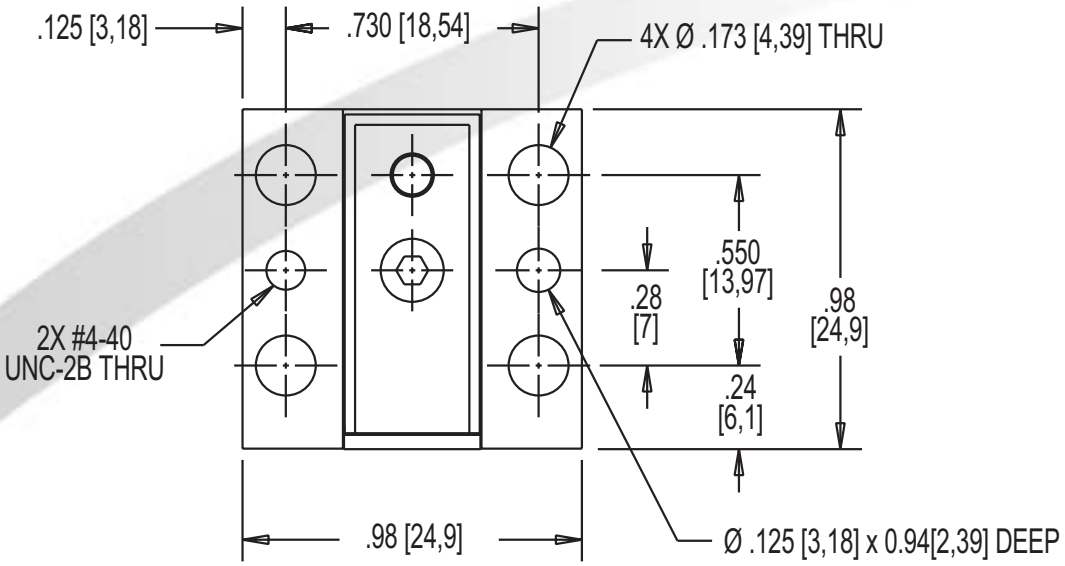
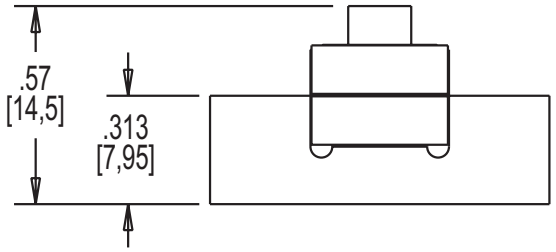
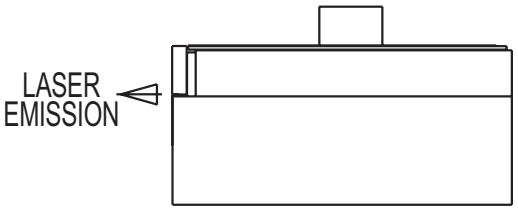
MECHANICAL CHARACTERISTICS







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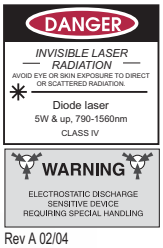
Information contained herein is believed to be reliable and accurate.

This Product is covered by one or more of the following Patents: 5,898,211 5,985,684 5,913,108 6,310,900 Other US and Foreign Patents Pending.

Laser diode product components are intended for use in a user-devised end system. However, these products are capable of emitting Class IV radiation. Extreme care must be exercised during their operation. Only persons familiar with the appropriate safety precautions should operate a laser product. Directly viewing the laser beam or exposure to specular reflections must be avoided. Serious injury may result if any part of the body is exposed to the beam. The eye is extremely sensitive to the infrared radiation and therefore, proper eyewear must be worn at all times. Use of optical instruments with these products may increase eye hazard. Always were proper eye protection when operating.



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