MECHANICAL **SPECIFCATIONS**

Laser Material: InGaAIP

Housing Material: Aluminum'

Type III Class 2 Black Anodized

Exit Aperture Protection: Sapphire Window

Lens Material: Glass

OPTICAL

SPECIFCATIONS

Wavelength (25°C): Various within the range of 630nm - 830nm*

Wavelength Stability 0.25nm / °C (Nominal)

Output Power (Exit Aperture): Varies with specific laser choice and fan angle*

Output Power Stability (25°C): <1% Fluctuation over 60 Minutes

Output Power vs. Temperature: <0.5% / °C (Nominal)

Fan Angle: 10°, 45°, 60°, 90° (Nominal)*

Line Thickness: ~1mm at 1 Meter (varies with lens and focus)*

Line Intensity Profile: Gaussian Emissions Indicator: Red LED

POINTING

SPECIFCATIONS

<2mrad Accuracy: <10µrad / °C Stability vs. Temperature:

ELECTRICAL SPECIFCATIONS

Operating Voltage: 5VDC Regulated +/- 1% * (24VDC option available)

Load Current -Typical at 25°C: Varies with Output Power and Wavelength Load Current -Max. at 25°C: Varies with Output Power and Wavelength

Continuous Wave: Turn on Time < 0.1s Case: Electrically Isolated

Electronic Protection: Reverse Polarity Protection Over Voltage Protection

Surge Protection

Interconnect: IP68 M12 X 1 Male Receptacle (Standard) 2.5mm Male DC Power Jack (Option) (See Drawing)

ENVIRONMENTAL SPECIFCATIONS

Operating Temperature: -10 to 50°C (60°C, 70°, 80°C) *

Storage Temperature: -40°C to 85°C Static Discharge Immunity: >12Kv (Contact)

Dust/Water Resistance: Yes

RELIABILITY/REGULATORY **SPECIFCATIONS**

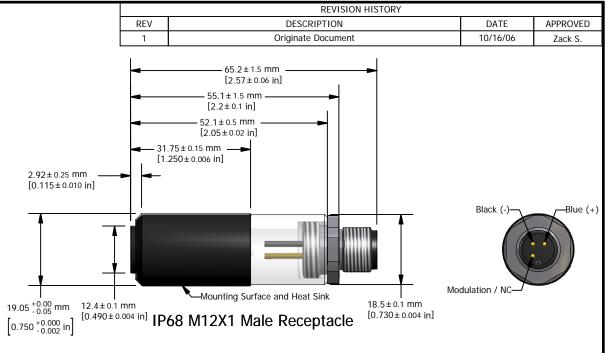
Certifications: RoHS compliance

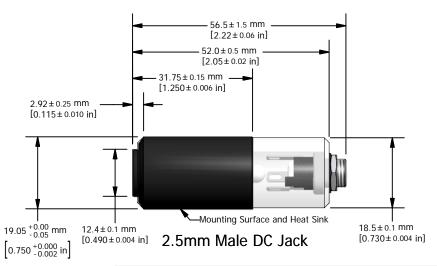
CDRH Class Dependant Upon Output Power and

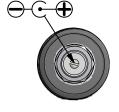
Wavelength

2 Years Warranty:

*Indicates Customization Available







APPROVALS	DATE	DIODE LASER CONCEPTS, INC.
Drawn By:	10/16/06	4731 Industry Drive
Zack S.	10/10/00	Central Point, Oregon 97502 USA
Approved By: Mike R.	10/16/06	Specific part numbers are issued according to configuration.
Customer Approval: N/A	N/A	Description: General specifications for Industrial line generator modules.