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MECHANICAL SPECIFICATIONS

Housing Material: Aluminum
Type III Class 2 Black Anodized
Exit Aperture Protection: Sapphire Window
Lens Material: Glass

OPTICAL SPECIFICATIONS

Wavelength: 532nm ± 1nm @25°C
Wavelength Stability: 0.25nm / °C (Nominal)
Laser Diode Rating: 0.97mW (Nominal)
Output Power Stability: ±5% Fluctuation over 60 Minutes@25°C
Output Power vs. Temperature: ±25% Over Temperature Range

Fan angle: 45 deg. (Nominal)
Line Thickness: < 1mm @ 1m
Beam Divergence: <0.5 mrad at collimation
Emissions Indicator: Red LED

POINTING SPECIFICATIONS

Accuracy: <2mrad

ELECTRICAL SPECIFICATIONS

Operating Voltage: 5VDC Regulated ±1%
Load Current –Typical at 25°C: 200mA
Load Current –Max. at 25°C: 350mA
Continuous Wave: Turn on Time <0.1s
Case: Electrically Isolated
Electronic Protection: Reverse Polarity Protection
Over Voltage Protection
Surge Protection
Interconnect: See Drawing

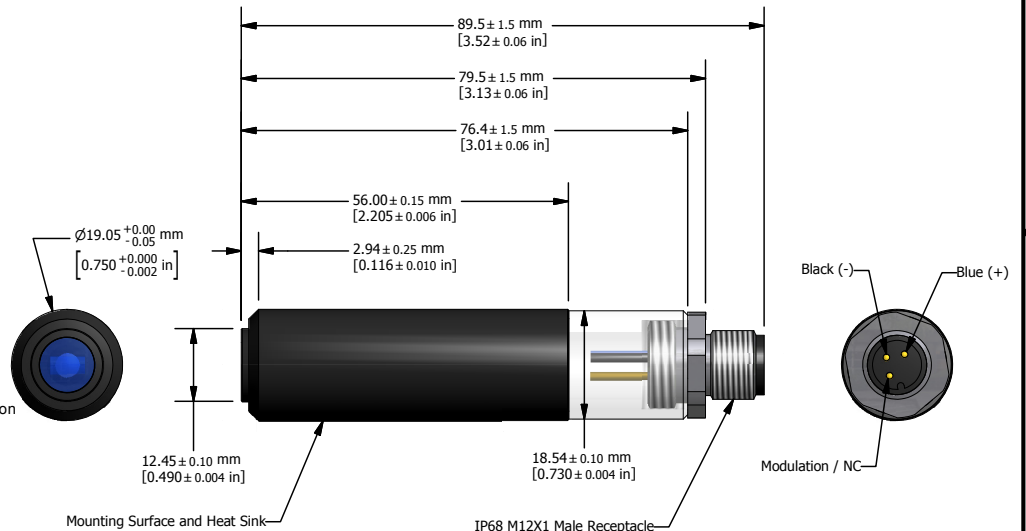
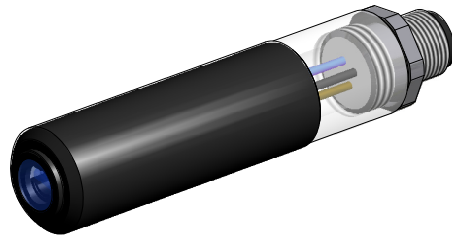
ENVIRONMENTAL SPECIFICATIONS


Operating Temperature: 0°C to 40°C
Storage Temperature: -40°C to 85°C
Static Discharge Immunity: >8Kv (Contact)
Dust/Water Resistance: Yes

RELIABILITY/REGULATOR SPECIFICATIONS

Certifications: CE
CDRH Class 2
RoHS compliant
Warranty: 2 Years

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
1	Originate Document.	1/26/09	Jon C.



APPROVALS	DATE	 DIODE LASER CONCEPTS, INC. 4731 Industry Drive Central Point, Oregon 97502 USA
Drawn By: Jon C.	1/26/09	
Approved By: Mike R.	1/27/09	Part Number: 5K1322-0001
Customer Approval:		Description: Laser Module; 0.75"; Industrial; 45 Deg. Line; 532nm; LT 1 mW; Class 2; Continuous Wave; No Leads; DC Connector; RoHS