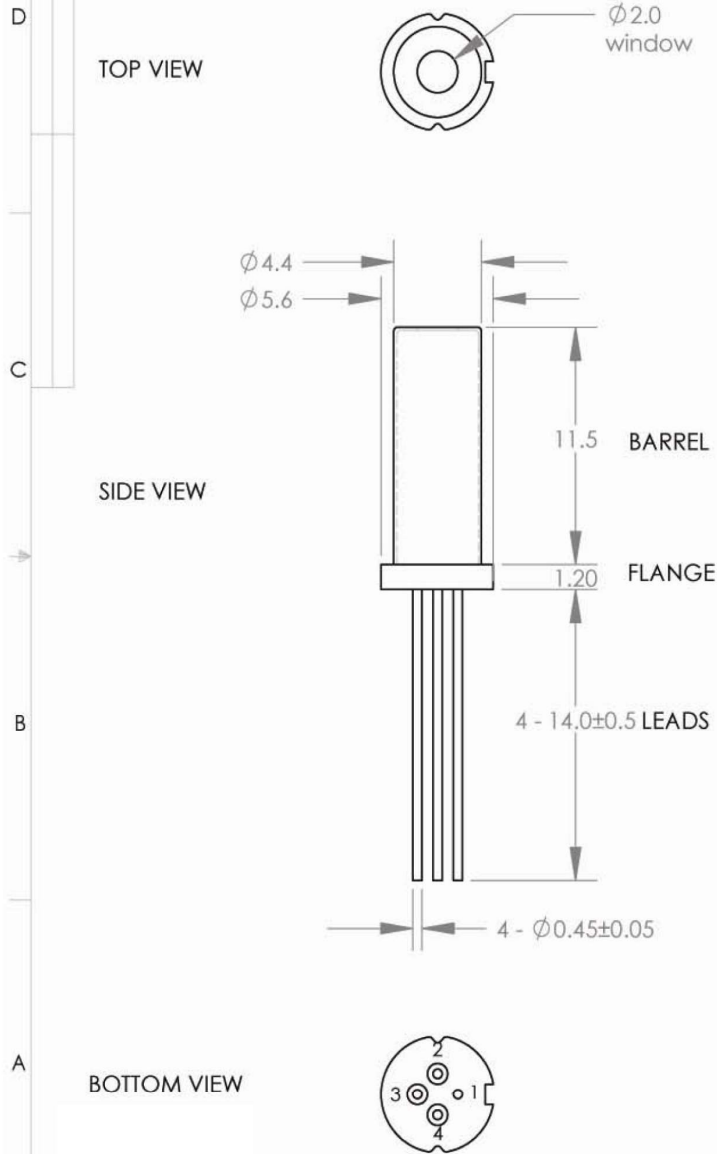


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PRELIMINARY PRODUCT SPECIFICATION – SUBJECT TO CHANGE

Revision: 6/3/2020

- 1) Features
 - Single Mode Wavelength Stabilized Laser Diode
 - Collimated Circularized Optical Beam
 - Integral Laser Line Filter
 - Integral ESD Protection
 - Integral Thermistor
- 2) Electrical Pin-Out (see bottom view)
 - Pin 1: LD Anode (+)
 - Pin 2: LD Cathode (-)
 - Pin 3: Thermistor (10 k Ohm @ 25 deg C)
 - Pin 4: Thermistor (10 k Ohm @ 25 deg C)
- 3) Optical Specifications
 - Single spatial mode (TEM_{00}) output
 - Optical beam diameter: 0.5 – 1.0 mm
 - Optical beam aspect ratio: 1:1.5 MAX
- 4) Operating Conditions
 - Operating Current – see specific product data sheet
 - Operating temperature – 15 -45 deg C Case (non-condensing)
- 5) Mechanical Specifications
 - Device needs to be compression mounted onto base plate (see suggested mounting configuration in data sheet)
 - Barrel (cap) is not designed for heat sinking or mechanical support



ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	QTY REQD
PARTS LIST				
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		APPROVALS	DATE	
		DRAWN	4/24/2008	
		CHECKED		
		RESP ENG	HG	
		MFG ENG		
		QUAL ENG		
MATERIAL	Kovar		TO-56 Package	
FINISH	--			
NEXT ASSY	USED ON	SIZE A		DWG. NO.
APPLICATION		DO NOT SCALE DRAWING		10785S50100
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