

Pigtailed Laser Diode, SMF

LP685-SF15

Description

Thorlabs' Single Mode Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long single mode fiber with an FC/PC connector. Each unit is tested before shipment; please refer to the unit-specific test datasheet for optimal operating parameters.



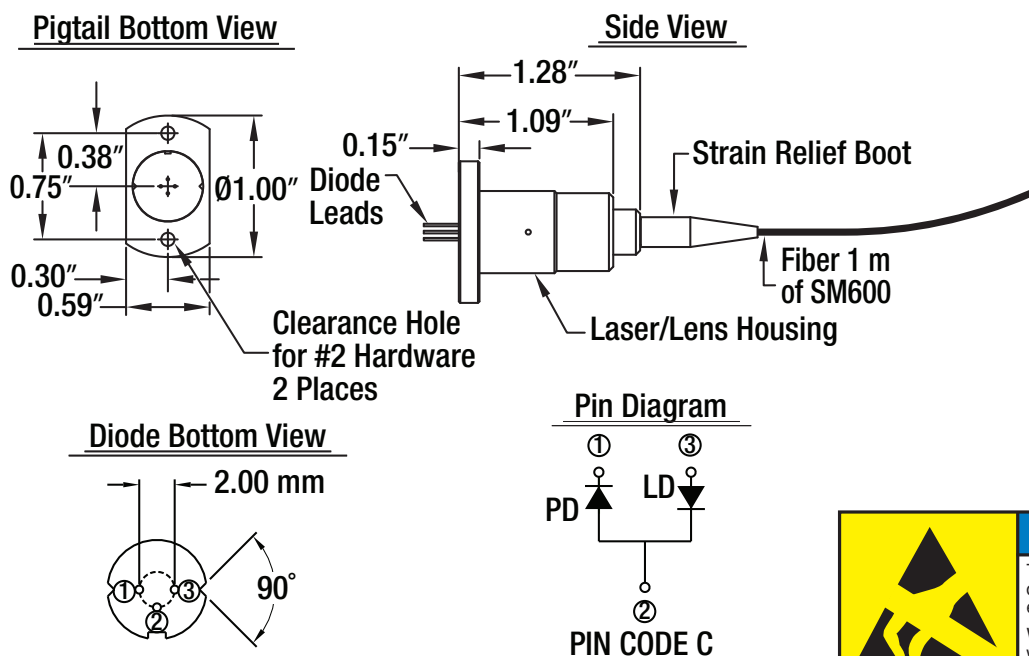
Specifications

Specification	Value
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	20 V
Optical Output Power	15 mW (Typ.) 20 mW (Max)
Operating Temperature	0 to +50 °C
Storage Temperature	-10 to +65 °C
Pin Code	5C
Fiber	SM600
Connector	FC/PC

Specification	Min	Typ.	Max
Wavelength	680 nm	685 nm	690 nm
Threshold Current*	-	30 mA	40 mA
Slope Efficiency*	0.4	0.6	-
Operating Current @ $P_O = 15 \text{ mW}^*$	-	55 mA	80 mA
Operating Voltage @ $P_O = 15 \text{ mW}^*$	-	2.1 V	2.5 V
Monitor Current @ $P_O = 15 \text{ mW}^*$	0.05 mA	0.10 mA	0.20 mA

*Temperature = 25 °C

Drawings



NOTICE

To avoid equipment damage from electrostatic discharge:
Wear ESD wriststrap when handling this device.

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