



LPS-1550-FC

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.

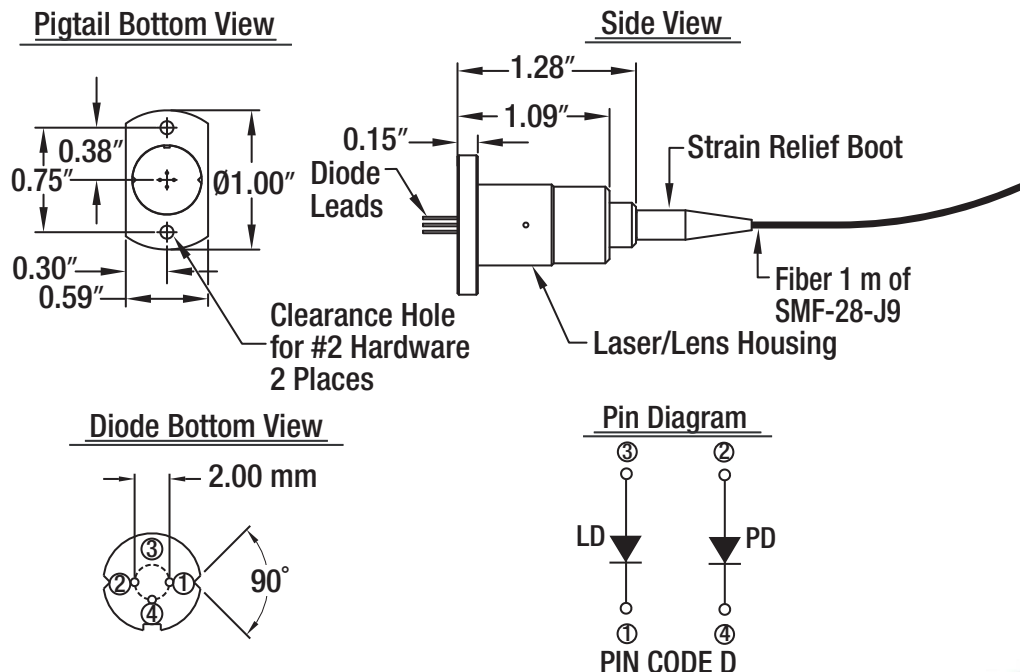
Specifications

LPS-1550-FC Specifications	
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	20 V
Optical Output Power	1.5 mW (Typ.) 1.8 mW (Max)
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C
Pin Code	5D
Laser Diode	ML925B45F
Fiber	SMF-28-J9
Connector	FC/PC

LPS-1550-FC Specifications			
	Min	Typ.	Max
Wavelength	1530 nm	1550 nm	1590 nm
Threshold Current*	-	10 mA	20 mA
Slope Efficiency*	0.09 mW/mA	0.12 mW/mA	-
Operating Current @ P ₀ = 1.5 mW*	-	30 mA	50 mA
Operating Voltage @ P ₀ = 1.5 mW*	-	1.0 V	1.5 V
Monitor Current @ P ₀ = 1.5 mW*	-	0.4 mA	-

*Temperature = 25 °C

Drawing



NOTICE

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