THORLARS

Pigtailed Laser Diode, SMF



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.

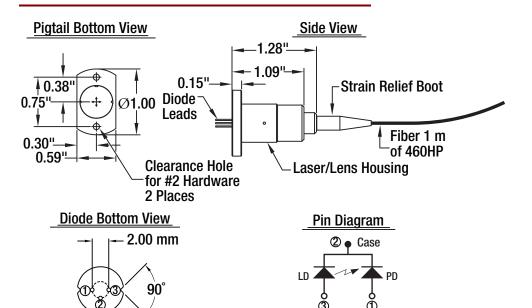
Specifications

Absolute Maximum Ratings				
LD Reverse Voltage (Max)	2 V			
PD Reverse Voltage (Max)	20 V			
Optical Output Power	20 mW (Typ.)	25 mW (Max)		
Operating Temperature	0 to 50 °C			
Storage Temperature	-10 to 65 °C			
Pin Code	5B			
Fiber	460HP			
Connector	FC/PC			

LP488-SF20 Specifications			
	Min	Typ.	Max
Wavelength	483 nm	488 nm	493 nm
Threshold Current*	-	30 mA	40 mA
Slope Efficiency*	0.20 mW/mA	0.5 mW/mA	-
Operating Current @ P ₀ = 20 mW*	-	70 mA	110 mA
Operating Voltage @ P ₀ = 20 mW*	-	6.0 V	8.0 V
Monitor Current @ Po = 20 mW*	-	0.06 mA	-

^{*}Temperature = 25 °C

Drawing



Style B



