

## Pigtailed Laser Diode, SMF

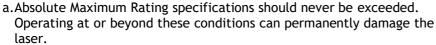


## **Description**

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 <sup>a</sup>				
LD Reverse Voltage (Max)	2 V			
PD Reverse Voltage (Max)	30 V			
Operating Temperature	0 to 50 °C			
Storage Temperature	-10 to 65 °C			



General Specifications			
Diode Size	5.6 mm		
Pin Code	A		
Fiber	SM600		
Connector	FC/PC		

Optical and Electrical Specifications				
	Min	Typical	Max	
Wavelength	630 nm	635 nm	645 nm	
Threshold Currenta	-	45 mA	60 mA	
Optical Output Power (P <sub>0</sub> )	-	8 mW	10 mW	
Slope Efficiency <sup>a</sup>	0.10 W/A	0.25 W/A	-	
Operating Current @ P <sub>0</sub> = 8 mW <sup>a</sup>	-	85 mA	100 mA	
Operating Voltage @ P <sub>0</sub> = 8 mW <sup>a</sup>	-	2.3 V	3.0 V	
Monitor Current @ P <sub>0</sub> = 8 mW <sup>a</sup>	0.05 mA	0.15 mA	0.40 mA	

a.Temperature = 25 °C







## **Drawing**

