



**LP515-SF3**

### 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
Optical Output Power	4 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C

- a. Absolute Maximum Rating specifications should never be exceeded. Operating at or beyond these conditions can permanently damage the laser.

General Specifications	
Diode Size	5.6 mm
Pin Code	A
Fiber	460HP
Connector	FC/PC

Optical and Electrical Specifications			
	Min	Typ.	Max
Wavelength	510 nm	515 nm	525 nm
Threshold Current <sup>a</sup>	-	30 mA	50 mA
Optical Output Power ( $P_o$ )	-	3 mW	4 mW
Slope Efficiency <sup>a</sup>	0.08 mW/mA	0.2 mW/mA	-
Operating Current @ $P_o = 3 \text{ mW}^a$	-	50 mA	100 mA
Operating Voltage @ $P_o = 3 \text{ mW}^a$	-	5.3 V	7.0 V
Monitor Current @ $P_o = 3 \text{ mW}^a$	-	0.1 mA	-

- a. Temperature = 25 °C



## Drawing

