



**LP520-SF15A**

### Description

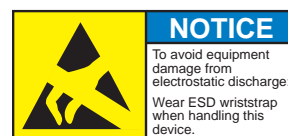
Thorlabs' Single Mode Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long single mode fiber with an FC/PC connector. Each unit is tested before shipment. Please refer to the unit-specific test datasheet for optimal operating parameters.

### Specifications

Absolute Maximum Ratings <sup>a</sup>	
LD Reverse Voltage (Max)	2 V
Optical Output Power	20 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C

- a. Unit-specific values are given on the datasheet packaged with the unit. 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 (T <sub>CASE</sub> = 25 °C)			
	Min	Typ.	Max
Wavelength	510 nm	520 nm	530 nm
Threshold Current	-	35 mA	60 mA
Optical Output Power (P <sub>o</sub> )	-	15 mW	-
Slope Efficiency	0.10 mW/mA	0.25 mW/mA	-
Operating Current @ P <sub>o</sub> = 15 mW	-	100 mA	160 mA
Operating Voltage @ P <sub>o</sub> = 15 mW	-	7.0 V	8.0 V
Monitor Current @ P <sub>o</sub> = 15 mW	-	0.1 mA	-

## Drawing

