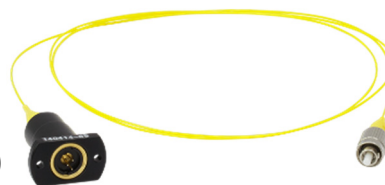


## 658 nm, 20 mW, SM Fiber Pigtailed Laser Diode

LP660-SF20



### 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
Optical Output Power	25 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	Ø5.6 mm
Pin Code	A
Fiber	SM600
Connector	FC/PC



Optical and Electrical Specifications <sup>a</sup>			
	Min	Typical	Max
Wavelength	648 nm	658 nm	668 nm
Optical Output Power	-	20 mW	25 mW
Threshold Current	-	40 mA	55 mA
Slope Efficiency	0.2 mW/mA	0.5 mW/mA	-
Operating Current @ 20 mW	-	80 mA	110 mA
Operating Voltage @ 20 mW	-	2.5 V	3.0 V
Monitor Current @ 20 mW	0.1 mA	0.30 mA	0.6 mA

a. Temperature = 25 °C

## Drawing

