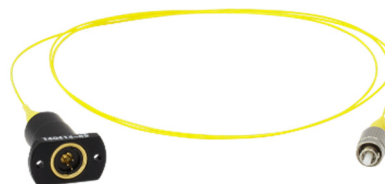


658 nm, 40 mW, SM Fiber Pigtailed Laser Diode

LP660-SF40



Description

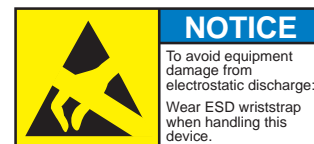
Thorlabs' Single Mode Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long single mode fiber with an FC/PC connector. Each unit is tested before shipment. Please refer to the unit-specific test datasheet for optimal operating parameters.

Specifications

Absolute Maximum Ratings ^a	
LD Reverse Voltage (Max)	2 V
Optical Output Power	45 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	H
Fiber	SM600
Connector	FC/PC



Optical and Electrical Specifications ^a			
	Min	Typical	Max
Wavelength	648 nm	658 nm	668 nm
Optical Output Power	-	40 mW	45 mW
Threshold Current	-	45 mA	75 mA
Slope Efficiency	0.25 mW/mA	0.45 mW/mA	-
Operating Current @ 40 mW	-	135 mA	170 mA
Operating Voltage @ 40 mW	-	2.5 V	3.0 V

a. Temperature = 25 °C

Drawing

