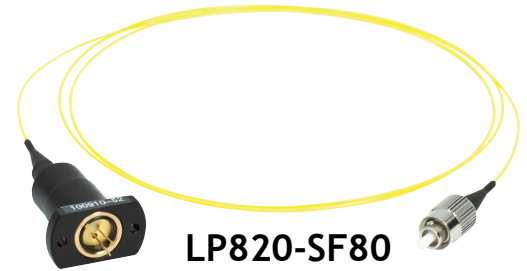


Description

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.



LP820-SF80

Specifications

Absolute Maximum Ratings ^a	
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	20 V
Optical Output Power	85 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C
Pin Code	5C
Fiber Specifications	
Fiber	SM800-5.6-125
Connector	FC/PC



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

LP633-SF50 Specifications			
	Min	Typ.	Max
Wavelength	810 nm	820 nm	830 nm
Threshold Current ^b	-	40 mA	70 mA
Optical Output Power	-	80 mW	-
Slope Efficiency ^b	0.1 mW/mA	0.4 mW/mA	-
Operating Current @ $P_0 = 80 \text{ mW}^b$	-	230 mA	400 mA
Operating Voltage @ $P_0 = 80 \text{ mW}^b$	-	2.3 V	-
Monitor Current @ $P_0 = 80 \text{ mW}^b$	0.1 mA	0.5 mA	-

- b. Temperature = 25 °C

Drawing

