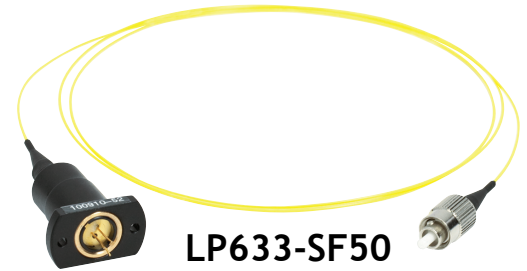


Description

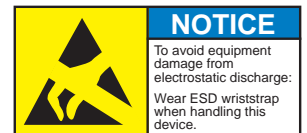


LP633-SF50

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	55 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C
Pin Code	5G
Fiber Specifications	
Fiber	SM600
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	628 nm	633 nm	640 nm
Threshold Current ^b	-	65 mA	100 mA
Optical Output Power	-	50 mW	-
Slope Efficiency ^b	0.15 mW/mA	0.45 mW/mA	-
Operating Current @ $P_0 = 50 \text{ mW}^b$	-	170 mA	210 mA
Operating Voltage @ $P_0 = 50 \text{ mW}^b$	-	2.6 V	-

b. Temperature = 25 °C

Drawing

