

Pigtailed Laser Diode, SM Fiber

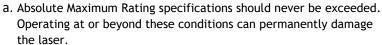


Description

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	
PD Reverse Voltage (Max)	30 V	
Optical Output Power	55 mW	
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	5A	







LP637-SF50 Specifications			
	Min	Тур.	Max
Wavelength	630 nm	637 nm	645 nm
Threshold Current ^b	-	45 mA	65 mA
Optical Output Power	40 mW	50 mW	55 mW
Slope Efficiency ^b	0.15 mW/mA	0.45 mW/mA	-
Operating Current @ P ₀ = 50 mW ^b	-	140 mA	180 mA
Operating Voltage @ P ₀ = 50 mW ^b	-	2.6 V	-
Monitor Current @ P ₀ = 50 mW ^b	-	0.4 mA	-
Fiber Specifications			

Fiber SM600
Connector FC/PC

b. Temperature = 25 °C



Drawing

