



LP637-SF70

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

LP637-SF70 Specifications		
LD Reverse Voltage (Max)	2V	
PD Reverse Voltage (Max)	-	
Optical Output Power	70 mW (Typ.)	80 mW (Max)
Operating Temperature	0 to 40 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	5G	
Fiber	SM600	
Connector	FC/PC	

LP637-SF70 Specifications			
	Min	Typ.	Max
Wavelength	632 nm	637 nm	643 nm
Threshold Current*	-	70 mA	90 mA
Slope Efficiency*	0.30	0.45	-
Operating Current @ P ₀ = 70 mW*	-	220 mA	300 mA
Operating Voltage @ P ₀ = 70 mW*	-	2.7 V	2.9 V

*Temperature = 25 °C

Drawing

