



LP904-SF3

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

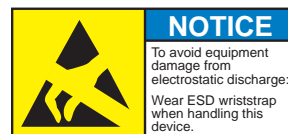
Absolute Maximum Ratings ^a	
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	30 V
Optical Output Power	4 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C

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

General Specifications	
Diode Size	5.6 mm
Pin Code	A
Fiber	SM800-5.6-125
Connector	FC/PC

Optical and Electrical Specifications			
	Min	Typ.	Max
Wavelength	890 nm	904 nm	920 nm
Threshold Current ^a	-	15 mA	30 mA
Optical Output Power (P_o)	-	3 mW	4 mW
Slope Efficiency ^a	0.1 mW/mA	0.17 mW/mA	-
Operating Current @ $P_o = 3 \text{ mW}^a$	-	30 mA	60 mA
Operating Voltage @ $P_o = 3 \text{ mW}^a$	-	1.5 V	2.5 V
Monitor Current @ $P_o = 3 \text{ mW}^a$	-	0.22 mA	-

- a. Temperature = 25 °C



Drawing

