THORLARS

Pigtailed Laser Diode, SMF



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

LD Reverse Voltage (Max) 2 V PD Reverse Voltage (Max) 20 V Optical Output Power 30 mW (Typ.) 40 mW (Max) Operating Temperature 0 to 50 °C	LP940-SF30 Specifications				
Optical Output Power 30 mW 40 mW (Typ.) (Max)	LD Reverse Voltage (Max)	2 V			
Optical Output Power (Typ.) (Max)	PD Reverse Voltage (Max)	20 V			
(Typ.) (Wax)	Optical Output Power	30 mW	40 mW		
Operating Temperature 0 to 50 °C		(Тур.)	(Max)		
	Operating Temperature	0 to 50 °C			
Storage Temperature -10 to 65 °C	Storage Temperature	-10 to 65 °C			
Pin Code 9A	Pin Code	9A			
Fiber SM800-5.6-125	Fiber	SM800-5.6-125			
Connector FC/PC	Connector	FC/PC			

LP940-SF30 Specifications				
	Min	Тур.	Max	
Wavelength	930 nm	940 nm	950 nm	
Threshold Current*	-	21 mA	40 mA	
Slope Efficiency*	0.3 mW/mA	0.5 mW/mA	-	
Operating Current @ P ₀ = 30 mW*	-	90 mA	120 mA	
Operating Voltage @ P ₀ = 30 mW*	-	1.5 V	2.2 V	
Monitor Current @ P ₀ = 30 mW*	-	0.13 mA	-	

Drawing

*Temperature = 25 °C

