THORLARS

Pigtailed Laser Diode, SMF



Description

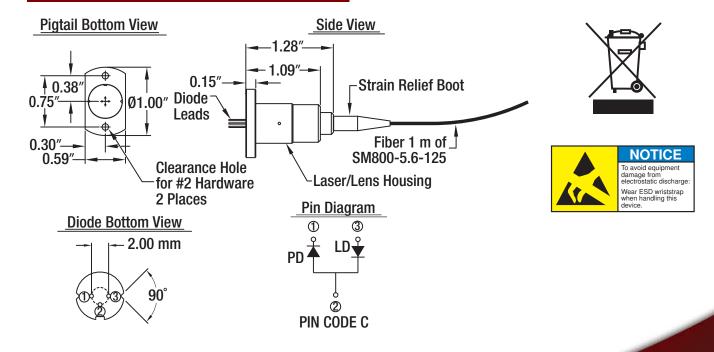
Thorlabs' Single Mode Pigtailed Laser Diodes are standard TO-packaged diodes that have been pigtailed to a 1 m long single mode fiber with an FC/PC connector. Each unit is tested before shipment. Please refer to the unit-specific test datasheet for optimal operating parameters.

Specifications

LD Reverse Voltage (Max) PD Reverse Voltage (Max) Optical Output Power Operating Temperature Storage Temperature O to 50 °C Storage Temperature Pin Code 2 V 10 mW (Typ.) (Max) 12 mW (Max) Oto 50 °C -10 to 65 °C Pin Code 5C	LPS-830-FC Specifications				
Optical Output Power Operating Temperature Storage Temperature Oto 50 °C -10 to 65 °C Pin Code 10 mW (Typ.) 12 mW (Max) 15 mV (Hax) 16 mV (Typ.) 17 mV (Max) 18 mV (Typ.) 19 To 50 °C 10 to 65 °C 50	LD Reverse Voltage (Max)	2 V			
Operating Temperature Operating Typ.) Operating Temperature Operat	PD Reverse Voltage (Max)	30 V			
Operating Temperature 0 to 50 °C Storage Temperature -10 to 65 °C Pin Code 5C	Optical Output Power	10 mW	12 mW		
Storage Temperature -10 to 65 °C Pin Code 5C		(Typ.)	(Max)		
Pin Code 5C	. • .	0 to 50 °C			
	Storage Temperature	-10 to 65 °C			
	Pin Code				
Fiber SM800-5.6-125	Fiber	SM800-5.6-125			
Connector FC/PC	Connector	FC/PC			

LPS-830-FC Specifications				
	Min	Typ.	Max	
Wavelength	820 nm	830 nm	840 nm	
Threshold Current*	-	20 mA	40 mA	
Slope Efficiency*	0.20 mW/mA	0.40 mW/mA	-	
Operating Current @ P ₀ = 10 mW*	-	50 mA	80 mA	
Operating Voltage @ P ₀ = 10 mW*	-	1.9 V	2.4 V	
Monitor Current @ P ₀ = 10 mW*	-	0.2 mA	-	

Drawing



*Temperature = 25 °C