



LPS-830-FC

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

LPS-830-FC Specifications		
LD Reverse Voltage (Max)	2 V	
PD Reverse Voltage (Max)	30 V	
Optical Output Power	10 mW (Typ.)	12 mW (Max)
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	5C	
Fiber	SM800-5.6-125	
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 @ $P_0 = 10 \text{ mW}^*$	-	50 mA	80 mA
Operating Voltage @ $P_0 = 10 \text{ mW}^*$	-	1.9 V	2.4 V
Monitor Current @ $P_0 = 10 \text{ mW}^*$	-	0.2 mA	-

*Temperature = 25 °C

Drawing

