



LP830-SF30

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

LP830-SF30 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	
Storage Temperature	-10 to 65 °C	
Pin Code	9A	
Fiber	SM800-5.6-125	
Connector	FC/PC	

LP830-SF30 Specifications			
	Min	Typ.	Max
Wavelength	820 nm	830 nm	840 nm
Threshold Current*	-	30 mA	40 mA
Slope Efficiency*	0.18 W/A	0.28 W/A	-
Operating Current @ $P_0 = 30 \text{ mW}^*$	-	115 mA	160 mA
Operating Voltage @ $P_0 = 30 \text{ mW}^*$	-	1.9 V	2.2 V
Monitor Current @ $P_0 = 30 \text{ mW}^*$	0.02 mA	0.04 mA	0.2 mA

*Temperature = 25 °C

Drawing

