



**LP830-SF30**

### Description

Thorlabs' Single Mode Pigtails 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	
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			
	Min	Typical	Max
Wavelength	825 nm	830 nm	835 nm
Threshold Current*	-	30 mA	40 mA
Slope Efficiency*	0.18 W/A	0.28 W/A	-
Operating Current @ P <sub>0</sub> = 30 mW*	-	115 mA	160 mA
Operating Voltage @ P <sub>0</sub> = 30 mW*	-	1.9 V	2.2 V
Monitor Current @ P <sub>0</sub> = 30 mW*	0.04 mA	0.08 mA	0.2 mA

\*Temperature = 25 °C

**NOTICE**  
To avoid equipment damage from electrostatic discharge: Wear ESD wriststrap when handling this device.

### Drawings

