



**LP635-SF8**

### 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.

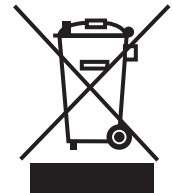
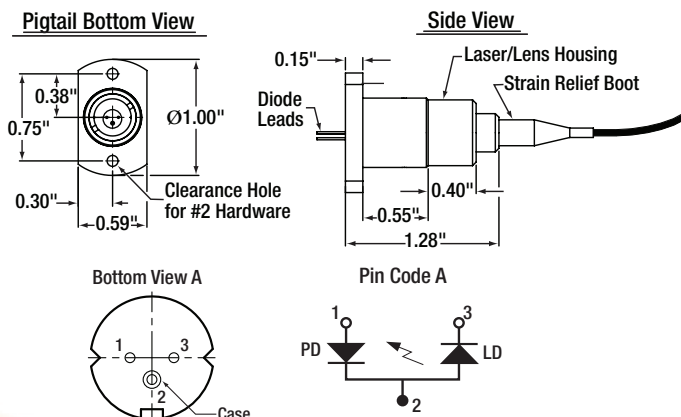
### Specifications

LP635-SF8	
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	30 V
Optical Output Power	8 mW (Typ.)   10 mW (Max)
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C
Pin Code	5A
Fiber	SM600
Connector	FC/PC

LP635-SF8			
	Min	Typical	Max
Wavelength	630 nm	635 nm	645 nm
Threshold Current*	-	45 mA	60 mA
Slope Efficiency*	0.30 W/A	0.45 W/A	-
Operating Current @ P <sub>0</sub> = 8 mW*	-	60 mA	80 mA
Operating Voltage @ P <sub>0</sub> = 8 mW*	-	2.3 V	3.0 V
Monitor Current @ P <sub>0</sub> = 8 mW*	0.10 mA	0.20 mA	0.40 mA

\*Temperature = 25 °C

### Drawings



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