



LP450-SF15

### 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

LP450-SF15 Specifications		
LD Reverse Voltage (Max)	2 V	
PD Reverse Voltage (Max)	N/A	
Optical Output Power	15.0 mW (Typ.)	20.0 mW (Max)
Operating Temperature	0 to 50 °C	
Storage Temperature	-10 to 65 °C	
Pin Code	9E	
Fiber	S405-XP	
Connector	FC/PC	

LP450-SF15 Specifications			
	Min	Typ.	Max
Wavelength	440 nm	450 nm	460 nm
Threshold Current*	-	30 mA	60 mA
Slope Efficiency*	0.12 mW/mA	0.25 mW/mA	-
Operating Current @ P <sub>0</sub> = 15 mW*	-	85 mA	120mA
Operating Voltage @ P <sub>0</sub> = 15 mW*	-	5.5 V	6.5 V

\*Temperature = 25 °C

### Drawing

