



**LP808-SA60**

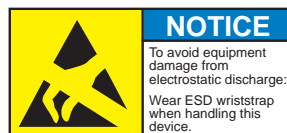
### Description

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/APC connector. Each unit is tested before shipment. Please refer to the unit-specific test datasheet for optimal operating parameters.

### Specifications

Absolute Maximum Ratings <sup>a</sup>	
LD Reverse Voltage (Max)	2 V
PD Reverse Voltage (Max)	20 V
Optical Output Power	65 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C
Diode Dimension and Fiber Specifications	
Diode Size	9 mm
Pin Code	B
Fiber	SM800-5.6-125
Connector	FC/APC

- a. Absolute Maximum Rating specifications should never be exceeded. Operating at or beyond these conditions can permanently damage the laser.



LP808-SA60 Specifications (Case Temperature = 25 °C)			
	Min	Typ.	Max
Wavelength	798 nm	808 nm	818 nm
Threshold Current	-	30 mA	60 mA
Optical Output Power	-	60 mW	65 mW
Slope Efficiency	0.2 mW/mA	0.5 mW/mA	-
Operating Current @ P <sub>0</sub> = 60 mW	-	150 mA	220 mA
Operating Voltage @ P <sub>0</sub> = 60 mW	-	1.9 V	3.5 V
Monitor Current @ P <sub>0</sub> = 60 mW	0.1 mA	0.5 mA	-

## Drawing

