

LP980-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

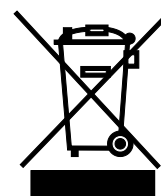
Absolute Maximum Ratings <sup>a</sup>	
LD Reverse Voltage	2 V
Optical Output Power	70 mW
Operating Temperature	0 to 50 °C
Storage Temperature	-10 to 65 °C

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

General Specifications	
Diode Size	9.0 mm
Pin Code	H
Fiber	980HP
Connector	FC/APC
Key Width	2.0 mm Narrow Key

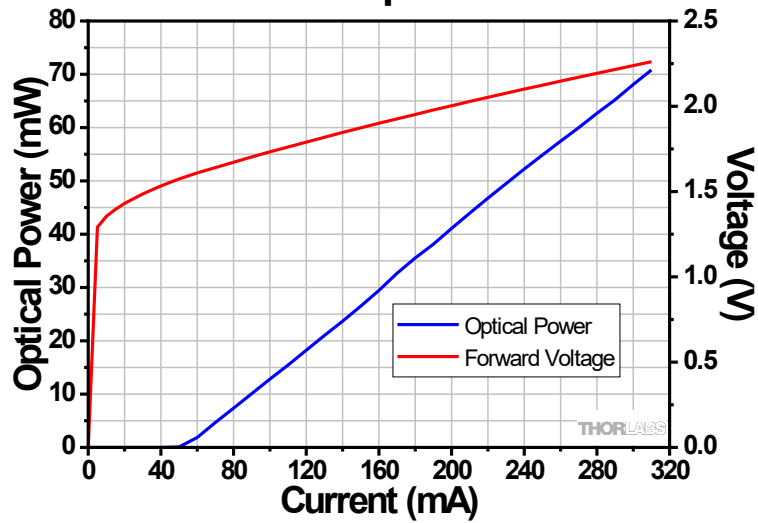
Optical and Electrical Specifications <sup>b</sup>			
	Min	Typ.	Max
Wavelength	970 nm	980 nm	990 nm
Threshold Current	-	50 mA	70 mA
Optical Output Power, CW (P <sub>o</sub> )	-	60 mW	-
Slope Efficiency	0.10 mW/mA	0.30 mW/mA	-
Operating Current @ P <sub>o</sub> = 60 mW	-	230 mA	400 mA
Operating Voltage @ P <sub>o</sub> = 60 mW	-	2.0 V	4.0 V

- b. Temperature = 25 °C

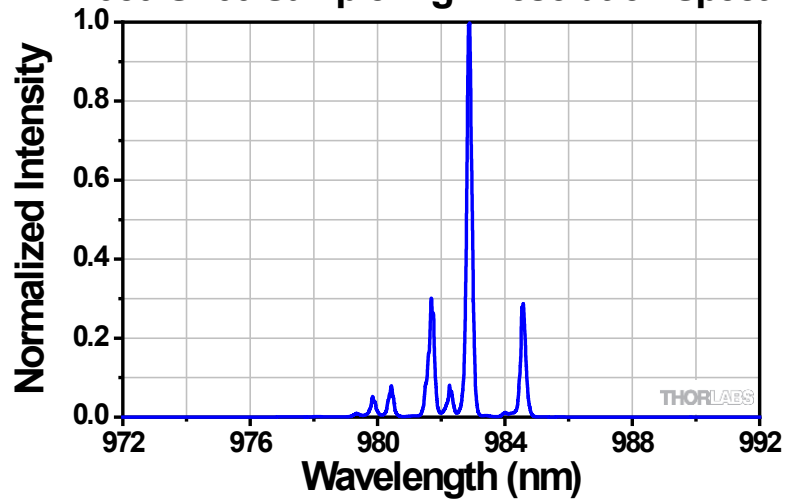


## Performance Plots

### LP980-SA60 Sample Performance



### LP980-SA60 Sample High Resolution Spectrum



## Drawing

