



T98H-P1 Series

980nm Fiber Coupled Laser Diodes, 750mW-1300mW, MM Fiber, Multimode Beam



Overview

The Lasermate T98H-P3 series is a 980nm wavelength, fiber coupled laser diode module offering up to 1300mW output power through a 100um fiber. The laser is designed for use in laser pumping, printing, heating, medical usage, material processing, and marking applications.

Features

- 980nm laser diode
- Uncooled fiber-coupled CW module
- Multimode fiber output
- Optical output power 750mW to 1300mW
- FC/ST/SMA905 interface

Applications

- Laser pumping
- Medical usage
- Printing
- Heating
- Material processing
- Marking

Product Overview

The following table lists the available part numbers, as well as the wavelength, output power, operating current, fiber core size, and connector of each of the part numbers.

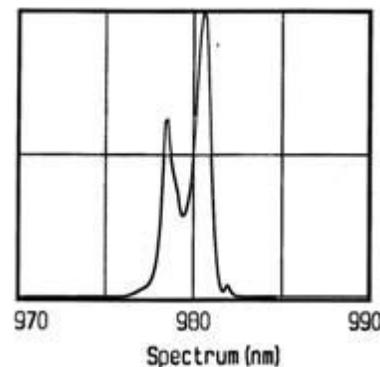
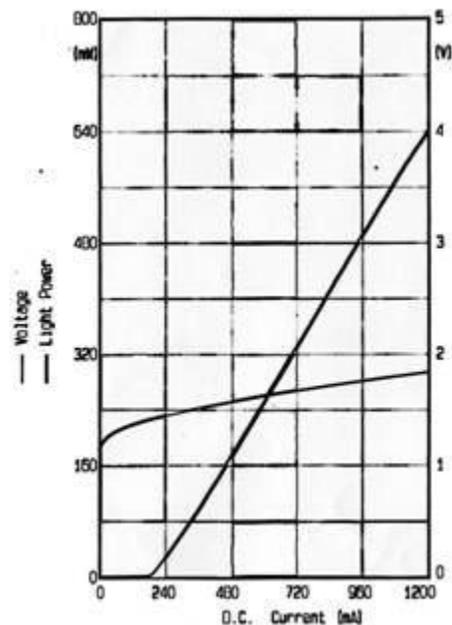
Part Number	Wavelength	Output Power	Operating Current	Fiber Core Size	Connector
T98H-P1-FC750	980nm	750mW	1250mA	100um	FC
T98H-P1-ST750	980nm	750mW	1250mA	100um	ST
T98H-P1-SMA750	980nm	750mW	1250mA	100um	SMA905
T98H-P1-FC1300	980nm	1300mW	2450mA	100um	FC
T98H-P1-ST1300	980nm	1300mW	2450mA	100um	ST
T98H-P1-SMA1300	980nm	1300mW	2450mA	100um	SMA905



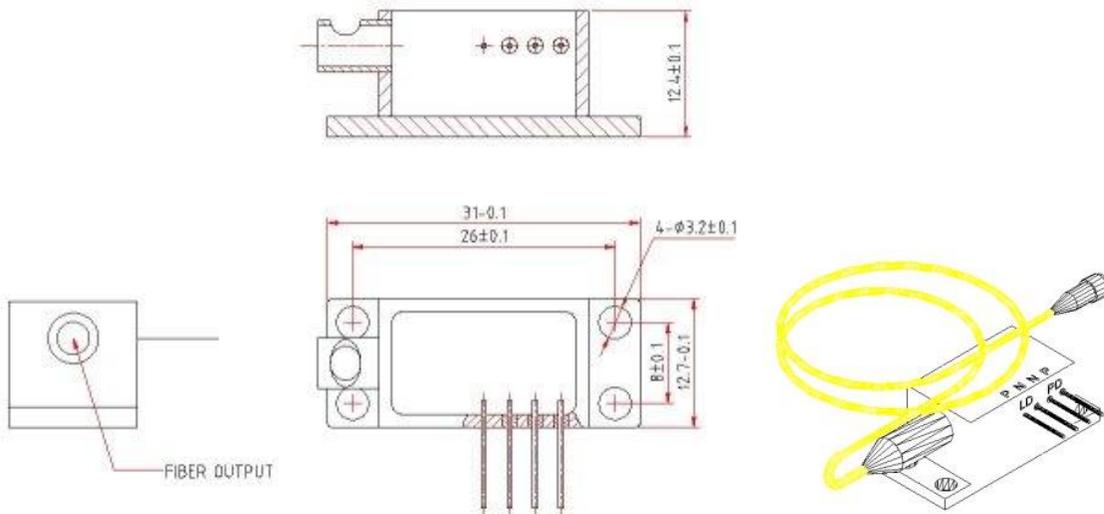
Specifications (25°C)

Optical Specifications		
CW Output Power from Fiber	750mW	1300mW
Central Wavelength	970 – 990nm	
Spectral Width	<4nm	
Wavelength Temperature Coefficient	0.3nm/°C	
Fiber Characteristics		
Fiber Core Size	100μm	
N.A.	0.22	
Fiber Length	1m	
Connector	FC, ST, SMA905	
Electrical Characteristics		
Slope Efficiency	>0.6W/A	
Threshold Current	Max. 250mA	Max. 450mA
Operating Current	Max. 1250mA	Max. 2450mA
Operating Voltage	<2V	
Series Resistance	<0.5Ω	<0.25Ω
Operating Temperature	Max. 25°C	
Storage Temperature	-10 to 60°C	

Typical Characteristics



Mechanical Outline (unit: mm)



Additional Notes

- The laser diodes are designated solely as OEM components for incorporation into the customer's end products. Therefore, it is the customer's responsibility to comply with the appropriate requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA Performance Standards for Light-Emitting Products](#) for detailed information.
- Specifications are subject to change without notice.