T98H-P2 Series
980nm Fiber Coupled Laser Diodes, 5W-10W, MM Fiber, Multimode Beam

Overview

The Lasermate T98H-P2 series is a 980nm wavelength, fiber coupled laser diode module offering up to 10W output power through a 400um 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 with ST/SMA connectors
- Optical output power 5W to 10W

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.

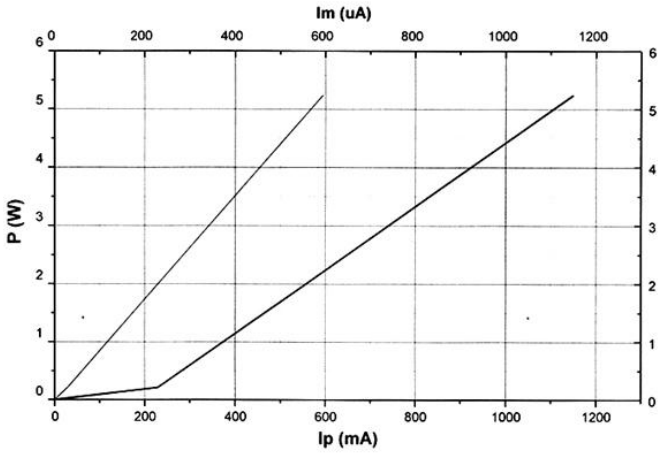
Part Number	Wavelength	Output Power	Operating Current	Fiber Core Size	Connector
T98H-P2-ST5W	980nm	5W	1200mA	400um	ST
T98H-P2-SMA5W	980nm	5W	1200mA	400um	SMA905
T98H-P2-ST10W	980nm	10W	2500mA	400um	ST
T98H-P2-SMA10W	980nm	10W	2500mA	400um	SMA905

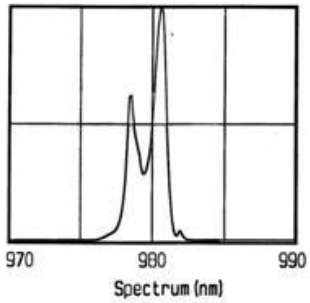
Specifications (25°C)

Optical Specifications		
CW Output Power from Fiber	5W	10W
Central Wavelength	970 - 990nm	
Spectral Width	<5nm	
Wavelength Temperature Coefficient	0.3nm/°C	
Fiber Characteristics		
Fiber Core Size	400µm	
N.A.	0.22	
Fiber Length	1m	
Connector	ST, SMA905	
Electrical Characteristics		
Slope Efficiency	>5W/A	
Threshold Current	250mA	500mA
Operating Current	1200mA	2500mA
Operating Voltage	<14V	
Series Resistance	<1.4Ω	

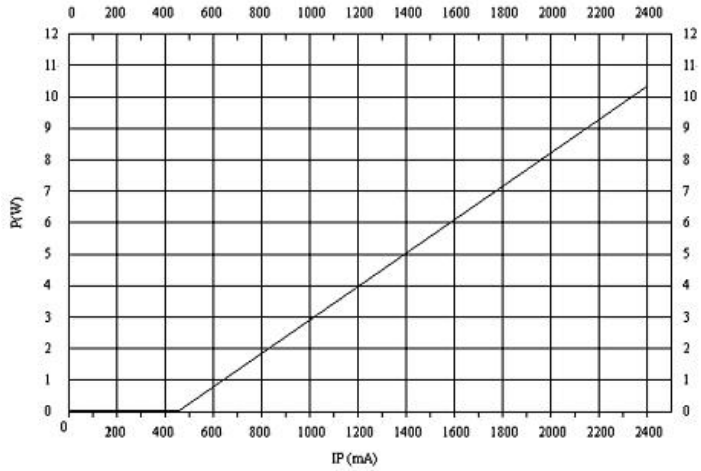
Typical Characteristics

T98H-P2-X5W

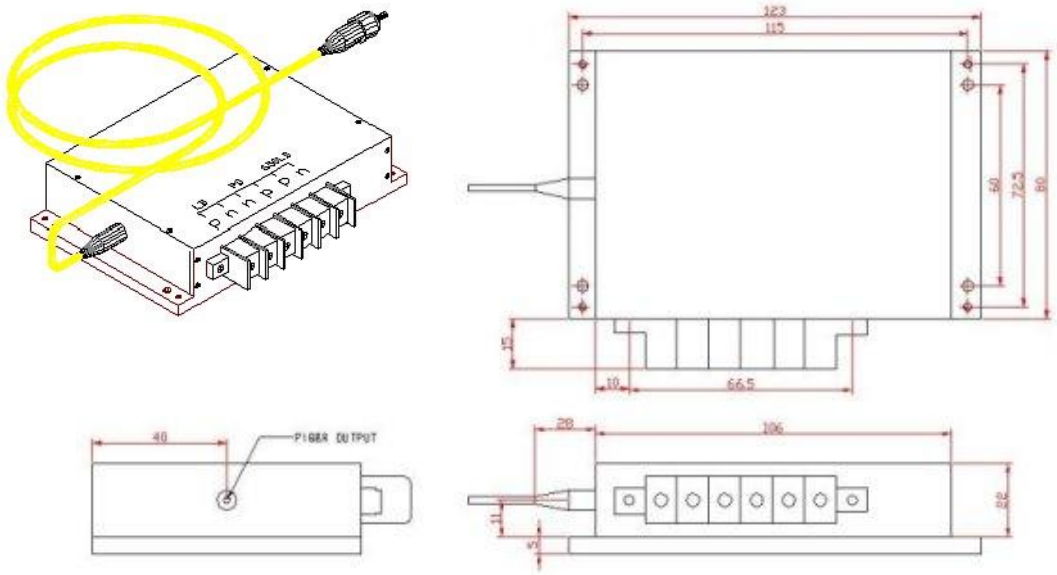




T98-P2-X10W



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.