



T98H-P3 Series 980nm Fiber Coupled Laser Diodes, 12W-22W

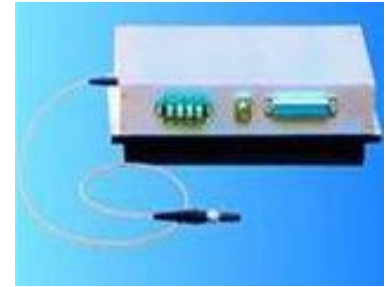
With MM Fiber and Multimode Beam

Features

- 980nm laser diode
- Uncooled fiber-coupled CW module
- Multimode fiber output with ST/SMA connectors

Applications

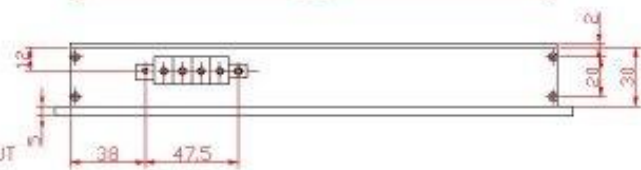
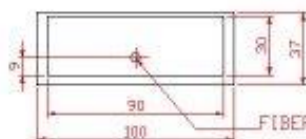
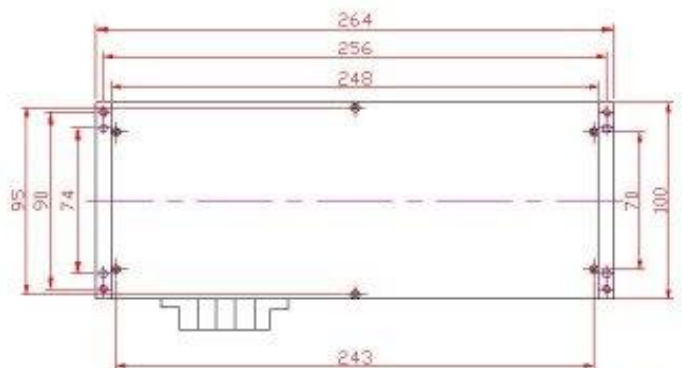
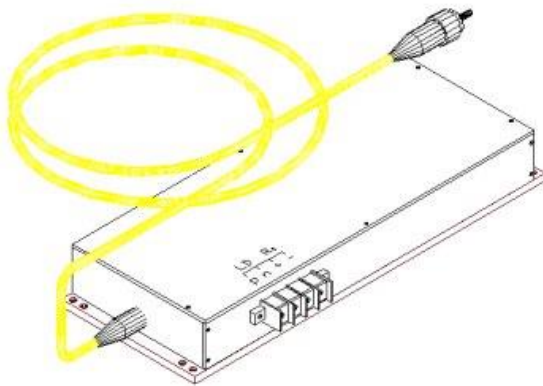
- Medical usage
- Heating
- Material processing
- Marking



Specifications (25°C)

Model Number	T98H-P3-X12W	T98H-P3-X22W
Optical Specifications		
CW Output Power from Fiber	12W	22W
Central Wavelength	975+/-15 nm	
Spectral Width	<7nm	
Wavelength Temperature Coefficient	0.4nm/°C	
Fiber Characteristics		
Fiber Core Size	700µm	
N.A.	0.22	
Fiber Length	1m	
Connector	ST (X=ST); SMA-905 (X=SMA)	
Electrical Characteristics		
Slope Efficiency	>13W/A	>11W/A
Threshold Current	≤250mA	≤450mA
Operating Current	≤1250mA	≤2450mA
Operating Voltage	<36V	
Series Resistance	<9Ω	<4.5Ω
Operating Temperature	-10 to 60°C	
Storage Temperature	≤25°C	

Mechanical Outline (unit: mm)



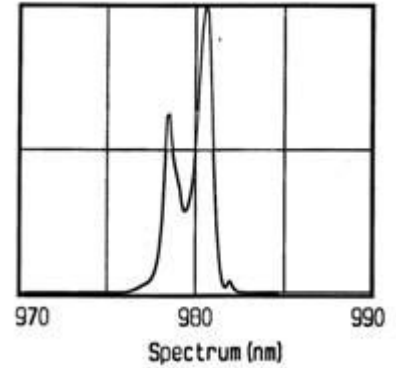
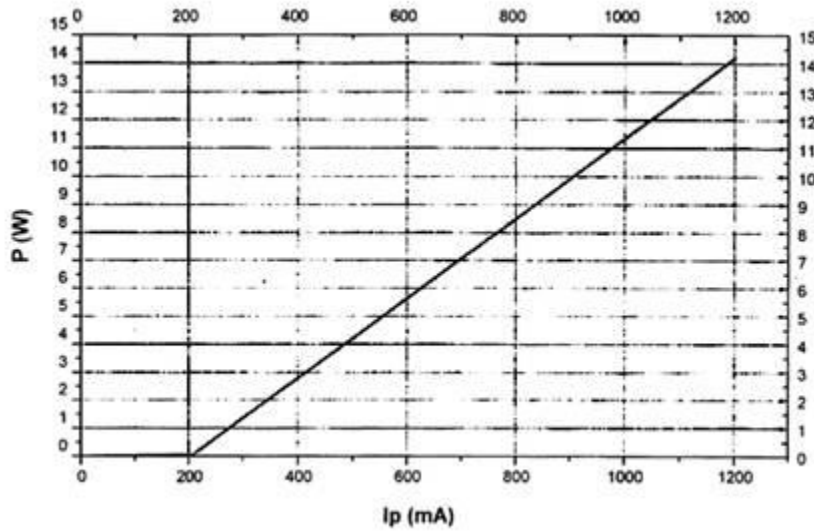
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Typical Characteristics



Ordering Information

Part Number	Wavelength	Output Power	Operating Current	Fiber Core Size	Connector
T98H-P3-ST14W	980nm	12W	1250mA	700um	ST
T98H-P3-SMA14W	980nm	12W	1250mA	700um	SMA905
T98H-P3-ST25W	980nm	22W	2450mA	700um	ST
T98H-P3-SMA25W	980nm	22W	2450mA	700um	SMA905

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.