



T80H-P2 Series 808nm Fiber Coupled Laser Diodes, 5W-10W

With MM Fiber and Multimode Beam

Features

- 808nm laser diode
- Uncooled fiber-coupled CW module
- Multimode fiber output with ST/SMA connectors

Applications

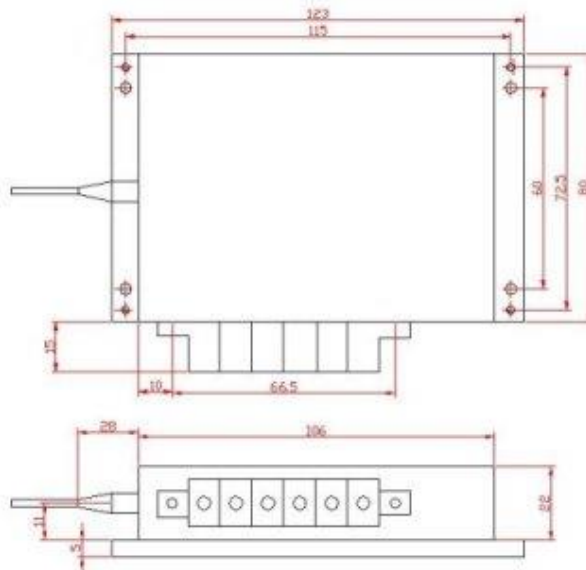
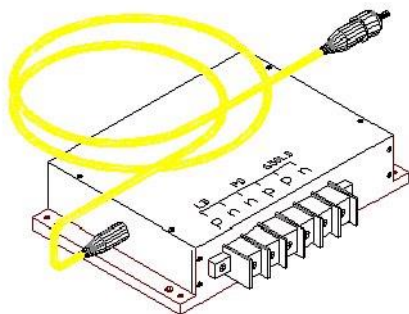
- Laser pumping
- Medical usage
- Printing
- Heating
- Material processing
- Marking



Specifications (25°C)

Model Number	T80H-P2-X5W	T80H-P2-X10W
Optical Specifications		
CW Output Power from Fiber	5W	10W
Central Wavelength	800 - 820nm	
Spectral Width	<5nm	
Wavelength Temperature Coefficient	0.3nm/°C	
Fiber Characteristics		
Fiber Core Size	400μm	
N.A.	0.22	
Fiber Length	1m	
Connector	ST (X=ST); SMA-905 (X=SMA)	
Electrical Characteristics		
Slope Efficiency	>5W/A	
Threshold Current	250mA	500mA
Operating Current	1200mA	2500mA
Operating Voltage	<14V	
Series Resistance	<1.4Ω	

Mechanical Outline (unit: mm)



Lasermate Group, Inc.

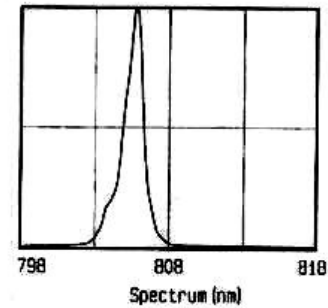
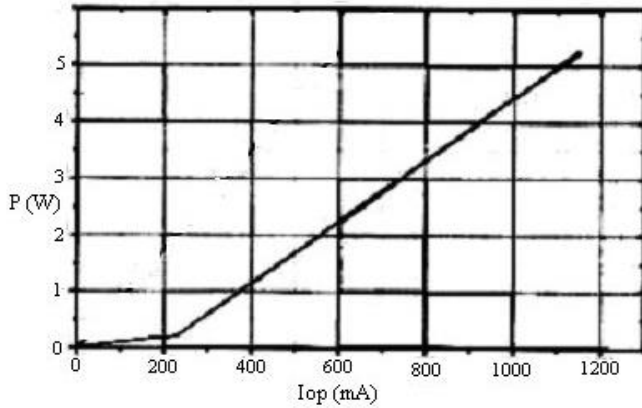
19608 Camino De Rosa, Walnut, CA 91789, USA

Tel: (909)718-0999 | Fax: (909)718-0998 | E-mail: info@lasermate.com | URL: <http://www.lasermate.com>

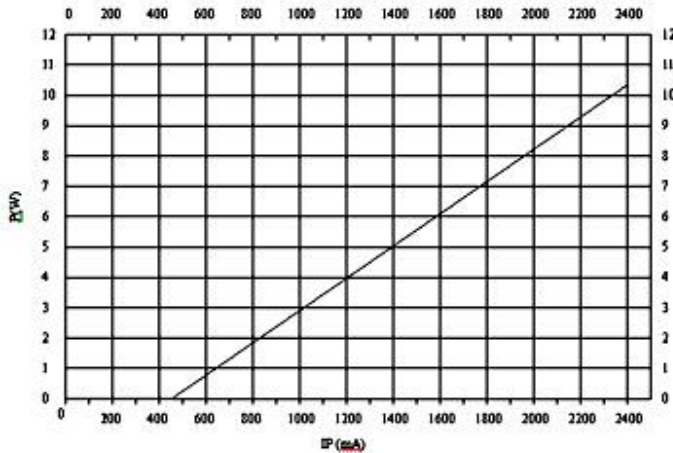


Typical Characteristics

T80H-P2-X5W



T80H-P2-X10W



Ordering Information

Part Number	Wavelength	Output Power	Operating Current	Fiber Core Size	Connector
T80H-P2-ST5W	808nm	5W	1200mA	400um	ST
T80H-P2-SMA5W	808nm	5W	1200mA	400um	SMA905
T80H-P2-ST10W	808nm	10W	2500mA	400um	ST
T80H-P2-SMA10W	808nm	10W	2500mA	400um	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.

Lasermate Group, Inc.

19608 Camino De Rosa, Walnut, CA 91789, USA

Tel: (909)718-0999 | Fax: (909)718-0998 | E-mail: info@lasermate.com | URL: <http://www.lasermate.com>