

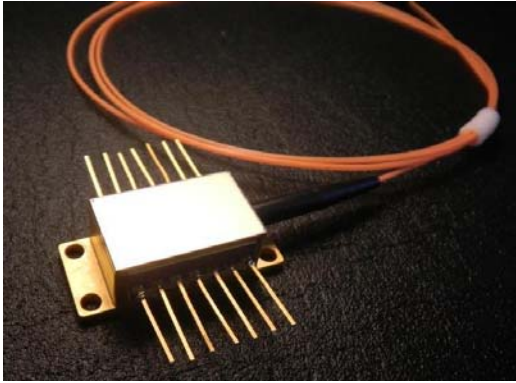
670nm 3mw SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

670nm 3mw Single Mode Fiber Coupled LD with 14-Pin package | Red Diode Laser Module

WSLX-670-003m-4-T-PD

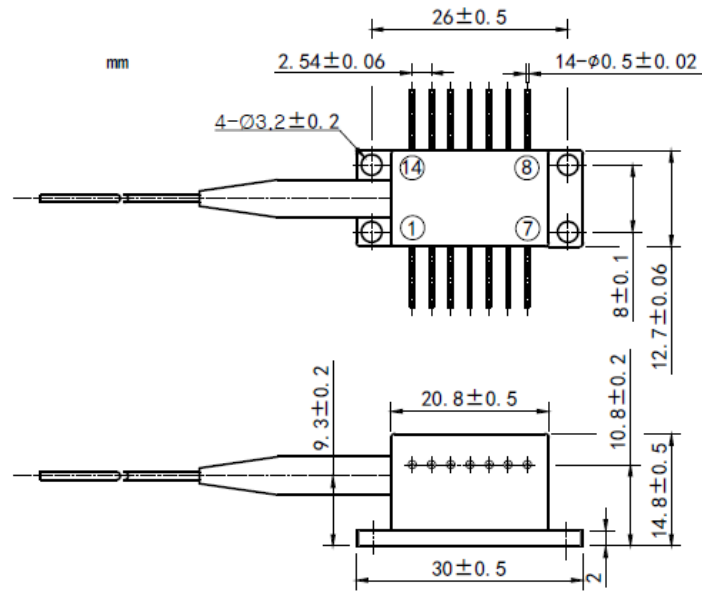
Wavespectrum Laser Group

www.wavespectrum-laser.com

| 670nm Pigtailed Diode Laser | | 3mW/SM Fiber | | Wavespectrum Laser Group | |
|--|-------------------|---|-------|--------------------------|--|
| PARAMETER | SYMBOL | VALUE | UNIT | | |
| Reverse Voltage | V_r | 2.0 | V | | |
| Operating Temperature | T_{op} | -10~+60 | °C | | |
| Storage Temperature | T_{stg} | -40~+85 | °C | | |
| Lead soldering temperature (5 sec.) | T_{is} | 250 | °C | | |
| Features: <ul style="list-style-type: none"> ● 670nm ● With SM Fiber ● 14-Pin Package ● Built-in TEC Cooler | |  | | | |
| Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Sensor ● Others | | | | | |
| Specifications | | WSLX-670-003m-4-T-PD | | | |
| | Min | Type | Max | | |
| Center Wavelength@25°C | 660nm | 670nm | 680nm | | |
| Recommend Operating Temperature | 25°C | | | | |
| Output Power | ---- | 3mw | ---- | | |
| Fiber Type | Single Mode Fiber | | | | |
| Fiber Core | 4um | | | | |
| Threshold Current (Typ.) | ---- | 20mA | 30mA | | |
| Operating Current (Typ.) | ---- | 35mA | 45mA | | |
| Operating Voltage | ---- | 2.3V | 2.8V | | |
| TEC Max Current | 1.8A | | | | |
| TEC Max Voltage | 2.5V | | | | |
| Thermistor | 10K | | | | |
| Fiber Connector | FC/SMA905 | | | | |
| Fiber Length | 80cm | | | | |
| Package Style | 14-Pin | | | | |



14-Pin Package View



Pin Out:

| PIN | FUNCTION | PIN | FUNCTION |
|-----|------------|-----|----------|
| 1 | TEC(+) | 14 | TEC(-) |
| 2 | THERMISTOR | 13 | CASE |
| 3 | PD(+) | 12 | NC |
| 4 | PD(-) | 11 | LD(-) |
| 5 | THERMISTOR | 10 | LD(+) |
| 6 | NC | 9 | NC |
| 7 | NC | 8 | NC |

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

