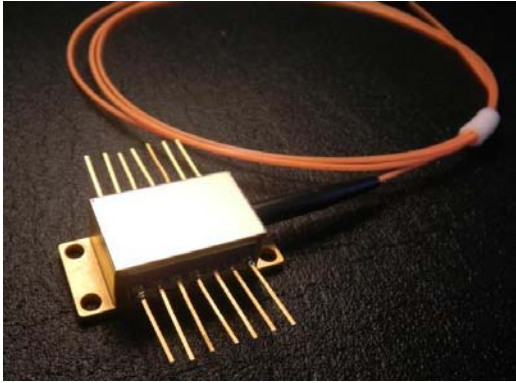
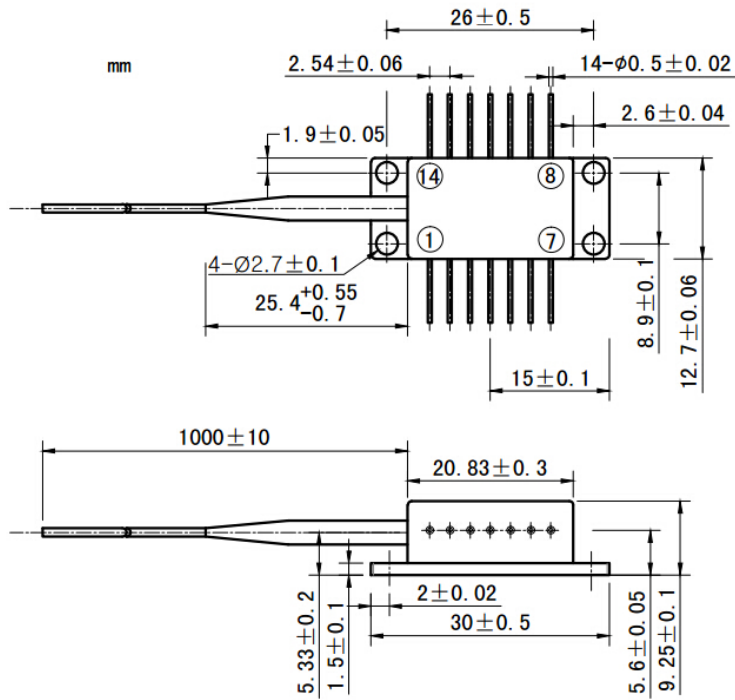


1064nm 1W Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode
 1060nm~1064nm 1W Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Infrared LD Module
 WSLX-1064-001-H-T-PD Wavespectrum Laser Group www.wavespectrum-laser.com

| 1064nm Pigtailed Diode Laser | | 1W/MM Fiber | | en.wavespectrum-laser.com.cn |
|---|---|-------------|-------|------------------------------|
| PARAMETER | SYMBOL | VALUE | UNIT | |
| Reverse Voltage | V_r | 2.0 | V | |
| Operating Temperature | T_{op} | +10~+30 | °C | |
| Storage Temperature | T_{stg} | -20~+80 | °C | |
| Lead soldering temperature (5 sec.) | T_{is} | 250 | °C | |
| Features: <ul style="list-style-type: none"> ● 1064nm ● 14-Pin Butterfly Package ● Built-in TEC Cooler ● Built-in Photodiode |  | | | |
| Applications: <ul style="list-style-type: none"> ● Medical Laser Treatment ● Sensor ● Others | | | | |
| Specifications | WSLX-1064-001-H-T-PD | | | |
| | Min | Type | Max | |
| Center Wavelength@25°C | ±3nm | 1064nm | ±10nm | |
| Output Power | | 1W | | |
| Spectral Width (FWHM) | | 2nm | | |
| Recommend Operating Temperature | 25°C | | | |
| Temperature Coefficient of Wavelength | 0.3nm / °C | | | |
| Threshold Current (Typ.) | 0.4A | | | |
| Operating Current (Typ.) | 1.8A | | | |
| Operating Voltage | 2.0V | | | |
| TEC Max Current | 1.5A | | | |
| TEC Max Voltage | 4.0V | | | |
| Thermistor | 10K | | | |
| Fiber Core | 105um | | | |
| N.A. | 0.22 | | | |
| 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.

