

1550nm 5mw DFB SM Pigtailed Laser Diode with 9um SM Fiber | Coaxial or Receptacle Package

1550nm Fiber Coupled LD with Single Mode Fiber (SMF)

WSLP-1550-005m-9-DFB

Wavespectrum laser Group

www.wavespectrum-laser.com

| PARAMETER | SYMBOL | VALUE | UNIT |
|--------------------------------------|-------------|-----------|------|
| LD Reverse Voltage | V_r | 2.0 | V |
| PD Operating Current | $I_{r(PD)}$ | 2.0 | mA |
| PD Reverse Voltage | $V_{r(PD)}$ | 15 | V |
| Operating Temperature | T_{op} | -10 ~ +85 | °C |
| Storage Temperature | T_{stg} | -40 ~ +85 | °C |
| Lead soldering temperature (10 sec.) | T_{is} | 260 | °C |

Features:

- 1550nm
- DFB Laser Diode
- Built-in Photodiodes
- 9um SM Fiber
- Isolation Optional
- Coaxial or Receptacle Package Optional

Applications:

- Test Equipments
- Optical Transmitter of Analog Signal
- Optical Transmitter of Data Signal
- Others



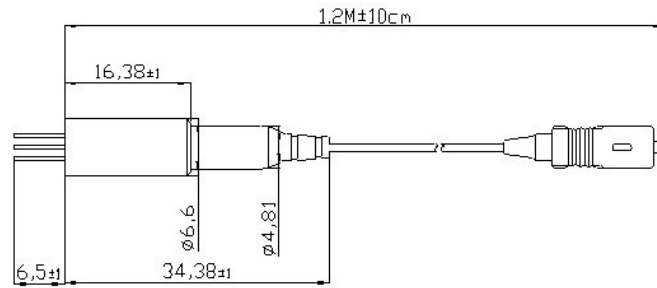
Specifications

WSLP-1550-005m-9-DFB

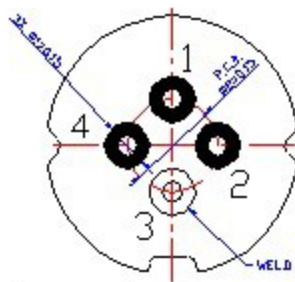
| | Min | Type | Max |
|-----------------------------------|-------------------------------|--------|--------|
| Center Wavelength@25°C | 1530nm | 1550nm | 1570nm |
| Laser Type | DFB | | |
| Output Power | ---- | 5mw | ---- |
| Fiber Core | 9um | | |
| Threshold Current (Typ.) I_{th} | 5mA | ---- | 15mA |
| Operating Current | ---- | 38mA | ---- |
| Forward Voltage | | | 1.6V |
| Monitor Current | 0.1mA | ---- | ---- |
| PD Capacitance | ---- | 10pF | 15pF |
| PD Dark Current | ---- | ---- | 0.1uA |
| Side Mode Suppression Ration | 30dB | 35dB | ---- |
| Built-in Isolator | Optional | | |
| Connector Pin | A-type (B-type Optional) | | |
| Fiber Connector | FC (SC/ST/LC Optional) | | |
| Package | Coaxial (Receptacle Optional) | | |



Coaxial Package View



Bottom View



TYPE A
PIN ASSIGNMENT:

| | |
|---|---------------|
| 1 | PD Cathode |
| 2 | PD Anode |
| 3 | LD Anode, GND |
| 4 | LD Cathode |

Electrically shorten LD module and store in non-extreme conditions.
Suggest using the constant current power supply.



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