

1550nm 2mW~3mW DFB Coaxial Pigtailed Laser Diode with 9um SMF

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

WSLP-1550-003m-9-DFB

Wavespectrum Laser Group

www.wavespectrum-laser.com

| PARAMETER | SYMBOL | VALUE | UNIT |
|--------------------------------------|-------------|------------|------|
| LD Reverse Voltage | V_r | 2.0 | V |
| PD Reverse Voltage | $V_{r(PD)}$ | 15 | V |
| Operating Temperature | T_{op} | -40 ~ +85 | °C |
| Storage Temperature | T_{stg} | -40 ~ +100 | °C |
| Lead soldering temperature (10 sec.) | T_{is} | 260 | °C |

Features:

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

Applications:

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



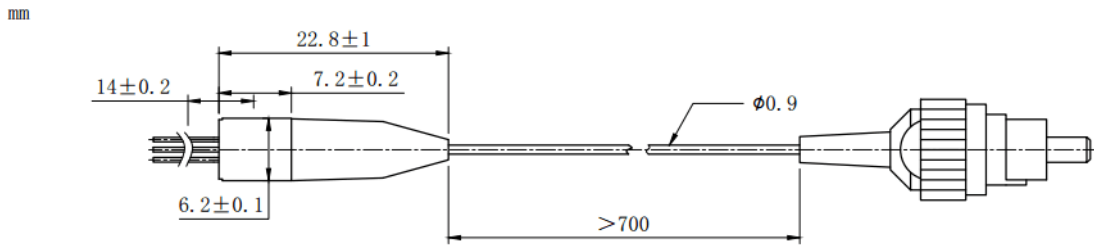
Specifications

WSLP-1550-003m-9-DFB

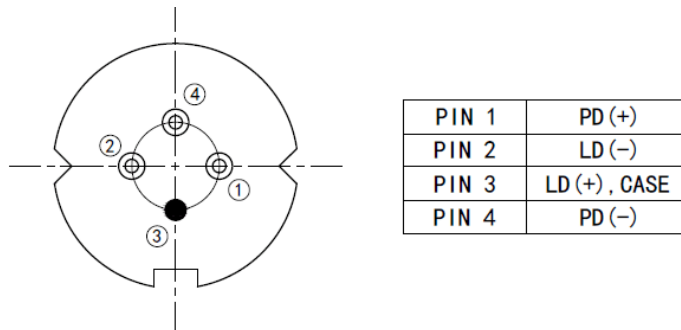
| | Min | Type | Max |
|-----------------------------------|-------------------------------|--------|-------|
| Center Wavelength@25°C | ±3nm | 1550nm | ±10nm |
| Laser Type | DFB | | |
| Output Power | 2mW | 3mW | ---- |
| Fiber Core | 9um SM Fiber | | |
| Threshold Current (Typ.) I_{th} | ---- | 5mA | 15mA |
| Operating Current | ---- | 30mA | 35mA |
| Operating Voltage | ---- | 1.3V | 1.6V |
| Spectral Width(FWHM) | ---- | ---- | 3nm |
| SMSR | ---- | 35dB | ---- |
| Monitor Current | 0.1mA | ---- | ---- |
| PD Capacitance | ---- | 10pF | 20pF |
| PD Dark Current | ---- | ---- | 0.1uA |
| Package Style | Coaxial (Receptacle Optional) | | |
| Recommended Operation Temperature | 25°C | | |
| Connector | FC/SC/SMA905 | | |



Coaxial Package View:



Pin Bottom View (A-Type)



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

