

1550nm 4mw DFB Pigtail Coaxial LD with Polarization Maintaining Fiber
1550nm SM fiber coupled Laser diode with PMF
WSLP-1550-004m-PM-DFB
Wavespectrum laser inc.
www.wavespectrum-laser.com

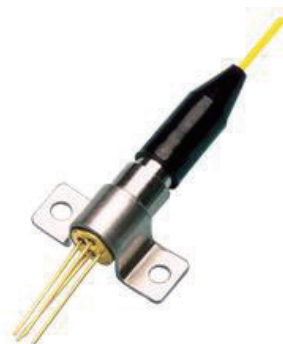
PARAMETER	SYMBOL	VALUE	UNIT
LD Reverse Voltage	V_r	2.0	V
PD Reverse Voltage	$V_{r(PD)}$	15	V
Operating Temperature	T_{op}	-10~+85	°C
Storage Temperature	T_{stg}	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 1550nm
- DFB Laser Diode
- Built-in Monitor
- With PM Fiber
- Isolation Optional
- Coaxial/Receptacle package

Applications:

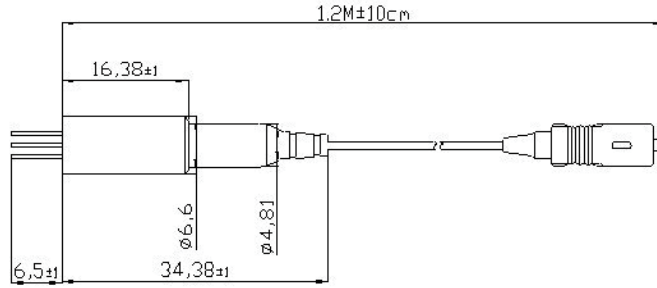
- Test Equipments
- Optical Bidi Module and Optical Receiver
- Optical Transmitter of Analog Signal
- Optical Transmitter of Data Signal


Specifications
WSLP-1550-004m-PM-DFB

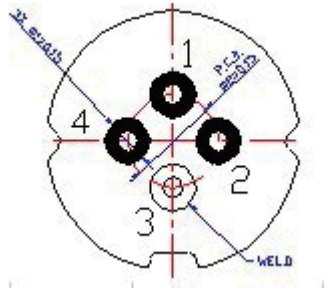
	Min	Type	Max
Center Wavelength@25°C	1530nm	1550nm	1570nm
Laser Type	DFB		
Output Power	----	4mW	----
Fiber Core	PM Fiber		
Threshold Current (Typ.) I_{th}	----	12mA	----
Operating Current	----	66mA	----
Operating Voltage	----	1.4V	----
Spectral Width(nm@20dB)	----	0.23	----
SMRS	----	35dB	----
R_s (ohms)	----	12.98	----
Monitor Current	0.1mA	----	----
PD Capacitance	----	10pF	15pF
PD Dark Current	----	----	0.1uA
Slope	----	0.38W/A	----
Package Style	Pigtail/Receptacle		
Data Rate	----	2.0Gb/s	----
Fiber Connector	FC/SC/ST/LC/MU		

Modulation Frequency upto 2GHz

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.**

