

1570nm DFB 2mw Coaxial Pigtailed Laser Diode

1570nm SM Fiber Coupled LD

WSLP-1570-002m-9-DFB

Wavespectrum laser inc.

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:

- 1570nm
- DFB Laser Diode
- Built-in Monitor
- 9um Fiber Core
- Isolator Optional
- 1.25Gb/s
- Coaxial/Receptacle package

Applications:

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



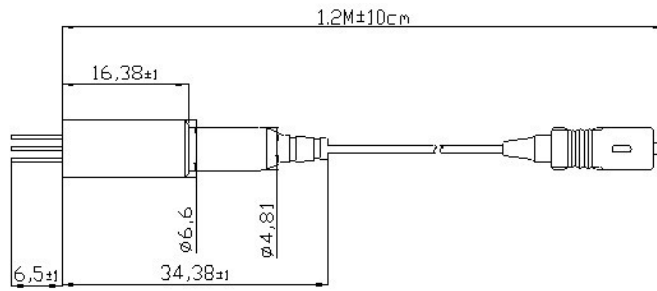
Specifications

WSLP-1570-002m-9-DFB

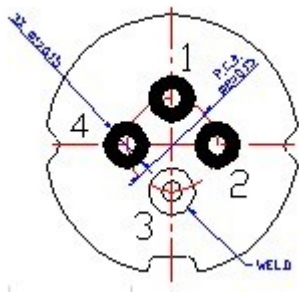
	Min	Type	Max
Center Wavelength@25°C	+/-2nm	1570nm	+/-3nm
Laser Type	DFB		
Output Power	1mW	2mW	----
Fiber Core	9um		
Threshold Current (Typ.) I_{th}	5mA	11mA	15mA
Operating Current		30mA	35mA
Forward Voltage		1.1V	1.6V
Monitor Current	0.1mA	----	----
PD Capacitance	----	10pF	15pF
PD Dark Current	----	----	0.1uA
Side Mode Suppression Ration	30dB	35dB	----
Package Style	Pigtail		Receptacle
Data Rate	1.25Gb/s		
Isolator	Optional		
Connector Pin	TypeA		TypeB
Fiber Connector	FC/SC/ST/LC/MU		



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.

