

## 1550nm 10mw DFB SM Pigtailed Laser Diode with SMF | Coaxial or Receptacle Package

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

WSLP-1550-010m-9-DFB

Wavespectrum Laser Group

[www.wavespectrum-laser.com](http://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 Photodiodes
- 9um SM Fiber
- Isolation Optional
- Coaxial/Receptacle package

#### Applications:

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



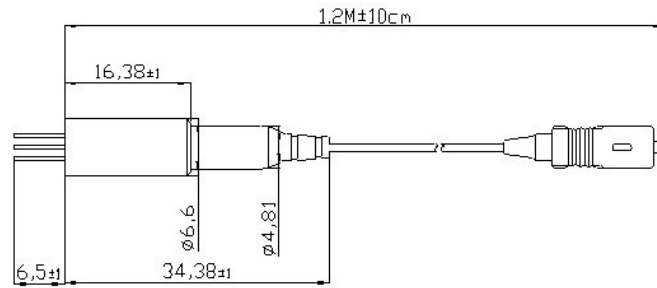
#### Specifications

#### WSLP-1550-010m-9-DFB

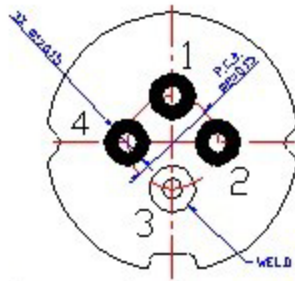
	Min	Type	Max
Center Wavelength@25°C	1530nm	1550nm	1570nm
Laser Type	DFB		
Output Power	----	10mW	----
Fiber Core	9um SM Fiber		
Threshold Current (Typ.) $I_{th}$	----	12mA	----
Operating Current	----	90mA	----
Operating Voltage	----	1.4V	----
Spectral Width(nm@20dB)	----	0.23	----
SMRS	----	35dB	----
$R_s$ (ohms)	----	12.98	----
Monitor Current	0.1mA	----	----
PD Capacitance	----	10pF	15pF
PD Dark Current	----	----	0.1uA
Slope	----	0.38W/A	----
Package Style	Pigtail (Receptacle Optional)		
Recommended Operation Temperature	25°C		



### 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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