

1550nm 8mw DFB SM Pigtailed Laser Diode with SMF | Coaxial or Receptacle Package

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

WSLP-1550-008m-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}	-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



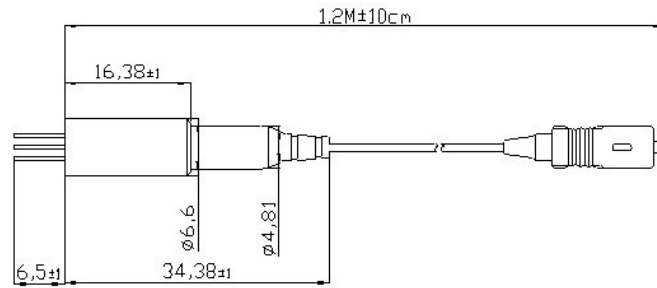
Specifications

WSLP-1550-008m-9-DFB

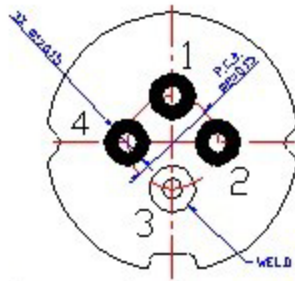
	Min	Type	Max
Center Wavelength@25°C	1530nm	1550nm	1570nm
Laser Type	DFB		
Output Power	----	8mW	----
Fiber Core	9um SM Fiber		
Threshold Current (Typ.) I_{th}	----	12mA	----
Operating Current	----	60mA	----
Operating Voltage	----	1.4V	----
Spectral Width(nm@20dB)	----	0.23	----
SMRS	----	35dB	----
R_s (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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