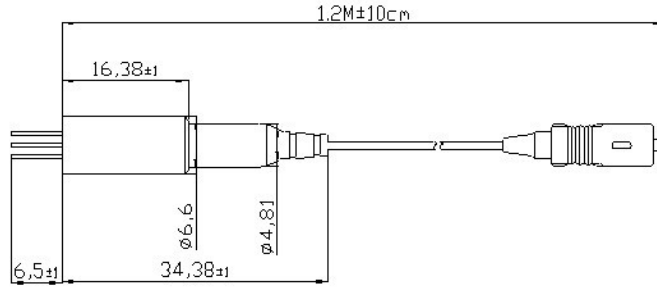


1550nm 1mw DFB Pigtailed Laser Diode
1550nm SM Coaxial Package LD with single mode fiber
WSLP-1550-001m-9-DFB
Wavespectrum laser inc.
www.wavespectrum-laser.com

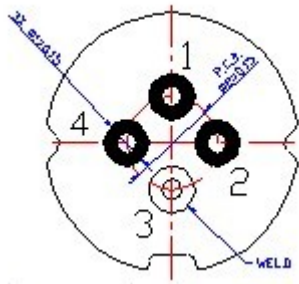
PARAMETER	SYMBOL	VALUE	UNIT
LD Reverse Voltage	V_r	2.0	V
PD Operating Current	$I_{r(PD)}$	2.0	mA
PD Reverse Voltage	$V_{r(PD)}$	15	V
Operating Temperature	T_{op}	-10 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C
Features: <ul style="list-style-type: none"> ● 1550nm ● DFB Laser Diode ● Built-in Monitor ● 9um Fiber Core ● 1mw output power ● Isolation Optional ● 1.25Gb/s , 2.5Gb/s Optional ● Coaxial/Receptacle package 			
Applications: <ul style="list-style-type: none"> ● Test Equipments ● Optical Bidi Module and Optical Receiver ● Optical Transmitter of Analog Signal ● Optical Transmitter of Data Signal 			
Specifications	WSLP-1550-001m-9-DFB		
	Min	Type	Max
Center Wavelength@25°C	1530nm	1550nm	1570nm
Laser Type	DFB		
Output Power	----	1mW	----
Fiber Core	9um		
Threshold Current (Typ.) I_{th}	5mA	----	15mA
Operation Current $I_{(op)}$	----	25mA	----
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		2.5Gb/s
Isolation	with		without
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.

