


**1490nm DFB 2mw Coaxial Pigtail Laser Diode with SMF**  
**1490nm Fiber Coupled LD with Single Mode Fiber (SM Fiber)**

WSLP-1490-002m-9-DFB

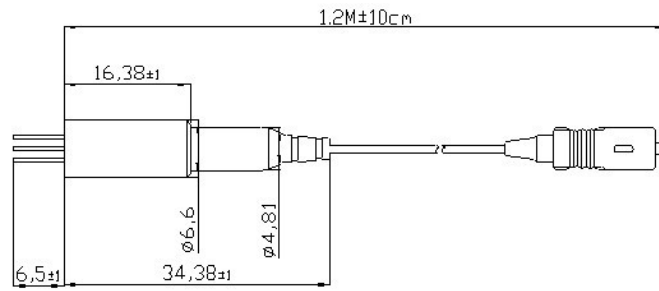
Wavespectrum laser Group

www.wavespectrum-laser.com

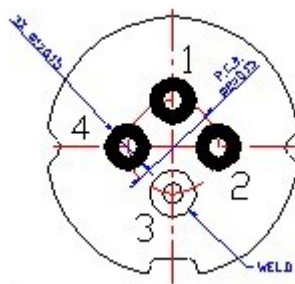
PARAMETER	SYMBOL	VALUE	UNIT	
LD Reverse Voltage	$V_r$	2.0	V	
PD Operating Current	$I_{r(PD)}$	2.0	mA	
PD Reverse Voltage	$V_{r(PD)}$	15	V	
Operating Temperature	$T_{op}$	-10 ~ +85	°C	
Storage Temperature	$T_{stg}$	-40 ~ +85	°C	
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>● 1490nm</li> <li>● DFB Laser Diode</li> <li>● Built-in Photodiodes</li> <li>● 9um SM Fiber</li> <li>● Isolator Optional</li> <li>● Coaxial or Receptacle Package Optional</li> </ul>				
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Test Equipments</li> <li>● Optical Transmitter of Analog Signal</li> <li>● Optical Transmitter of Data Signal</li> </ul>				
<b>Specifications</b>		<b>WSLP-1490-002m-9-DFB</b>		
		Min	Type	Max
Center Wavelength@25°C		+/-2nm	1490nm	+/-3nm
Laser Type		DFB		
Output Power		----	2mW	----
Fiber Core		9um SM Fiber		
Threshold Current (Typ.) I <sub>th</sub>		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		Coaxial ( Receptacle Optional)		
Data Rate		1.25Gb/s		
Isolator		Optional		
Connector Pin		A-type (B-type Optional)		
Fiber Connector		FC		



### 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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