


1450nm SM DFB 2mw Coaxial Pigtail Laser Diode

1450nm Fiber Coupled LD with Single Mode Fiber

WSLP-1450-002m-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: <ul style="list-style-type: none"> ● 1450nm ● DFB Laser Diode ● Built-in Monitor ● 9um Fiber Core ● Isolator Optional ● 1.25Gb/s ● 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-1450-002m-9-DFB	
		Min	Type
Center Wavelength@25°C		+/-2nm	1450nm
			Max
Center Wavelength@25°C			+/-3nm
Laser Type		DFB	
Output Power		1mW	2mW

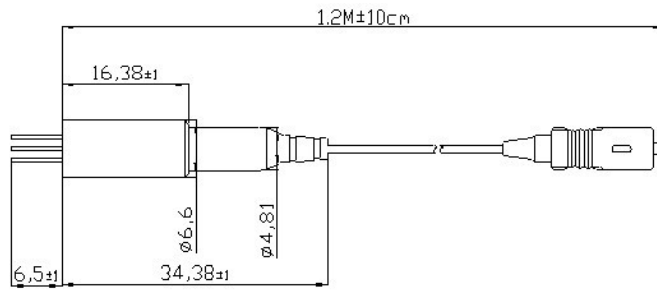
Fiber Core		9um	
Threshold Current (Typ.) I_{th}		5mA	11mA
			15mA
Operating Current			30mA
			35mA
Forward Voltage			1.1V
			1.6V
Monitor Current		0.1mA	----

PD Capacitance		----	10pF
			15pF
PD Dark Current		----	----
			0.1uA
Side Mode Suppression Ration		30dB	35dB

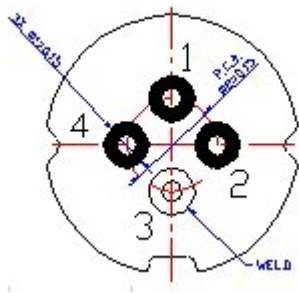
Package Style		Pigtail	Receptacle
Data Rate		1.25Gb/s	
Isolator		Optional	
Connector Pin		TypeA	TypeB
Fiber Connector		FC/SC/ST/LC/MU	



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.

