

**1625nm DFB 1mw~2mw Coaxial Pigtailed Laser Diode with SMF**
**1625nm Fiber Coupled LD with Single Mode Fiber (SM Fiber)**

WSLP-1625-001m-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
Operating Temperature	$T_{op}$	-40~+85	°C
Storage Temperature	$T_{stg}$	-40 ~ +100	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 1625nm
- DFB Laser Diode
- Built-in Photodiode
- 9um SM Fiber
- Isolator Optional
- Coaxial Package

**Applications:**

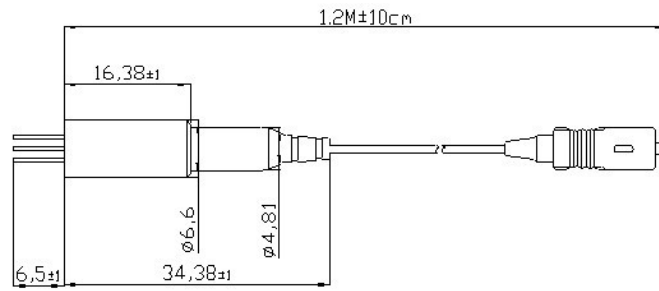
- Test Equipments
- Optical Transmitter of Analog Signal
- Optical Transmitter of Data Signal


**Specifications**
**WSLP-1625-001m-9-DFB**

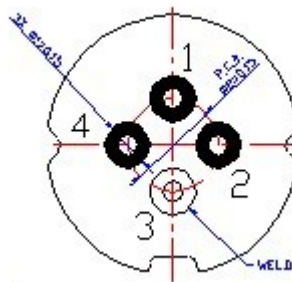
	Min	Type	Max
Center Wavelength@25°C	+/-2nm	1625nm	+/-3nm
Laser Type	DFB		
Output Power	----	1mW	----
Fiber Core	9um		
Threshold Current (Typ.) $I_{th}$	----	6.5mA	15mA
Operating Current		30mA	35mA
Forward Voltage		1.1V	1.6V
Monitor Current	0.1mA	----	0.9mA
PD Capacitance	----	10pF	15pF
PD Dark Current	----	----	0.1uA
Side Mode Suppression Ration	30dB	35dB	----
Package Style	Coaxial		
Isolator	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.

