1270nm 5mW Pigtailed Laser Module with Polarization maintaining Fiber (PM Fiber)

1270nm PM Fiber Coupled LD Module with Coaxial Package (9um Single Mode PM Fiber)

WSLP-1270-005m-PM-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}	-20~+50	℃
Storage Temperature	T_{stg}	-40~+100	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 1270nm
- DFB Laser Diode
- Built-in Photodiodes
- Built-in Isolator
- High Reliability
- High Polarization Extinction Ratio

Applications:

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

Specifications	WSLP-1270-005m-PM-DFB		
	Min	Type	Max
Center Wavelength@25℃	±3nm	1270nm	±10nm
Spectral Width(FWHM)	----	0.3nm	1nm
Output Power	----	5mW	----
Fiber Type	Polarization Maintaining Fiber		
Fiber Core	9um		
Recommended Operation Temperature	25℃		
Polarization Extinction Ratio	13dB	15dB	----
Connector	FC/APC		
Threshold Current (Typ.) I_{th}	----	5mA	15mA
Operating Current	----	70mA	80mA
Operating Voltage	----	1.4V	1.7V
Optical Isolation		30dB	
Fiber Length	>80cm		
Package Style	Coaxial or B86		

High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.

Wavespectrum Laser Group
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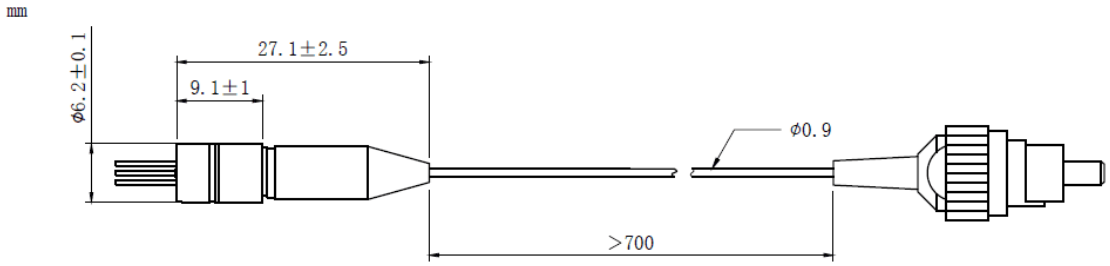
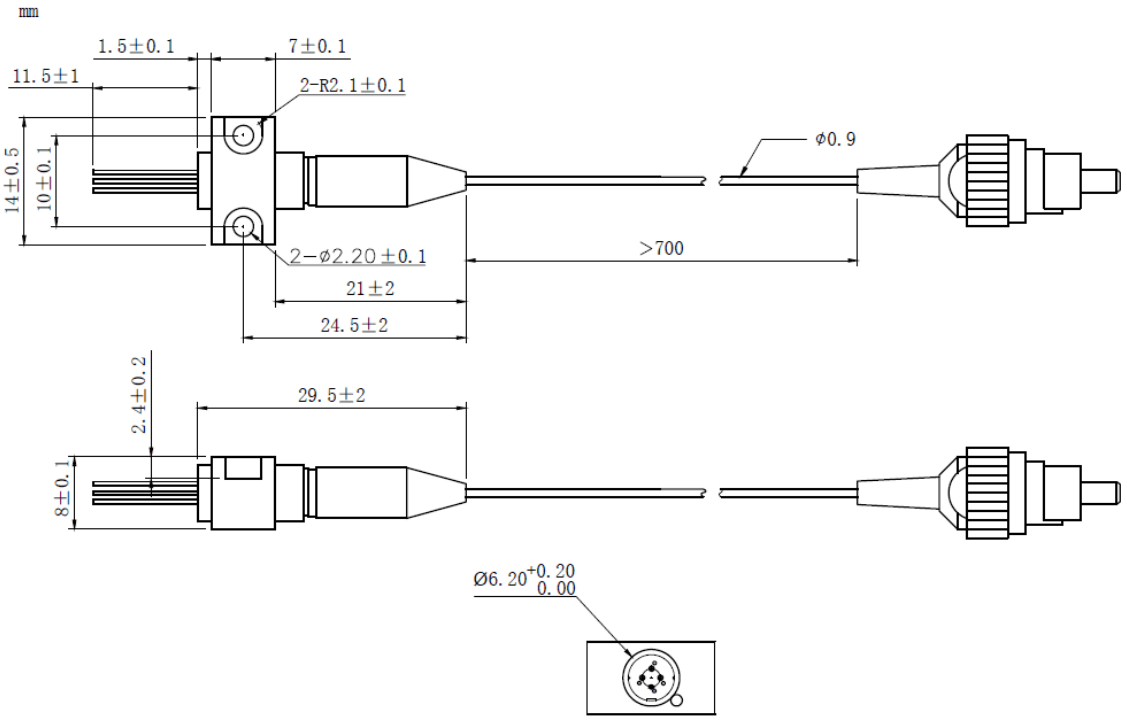
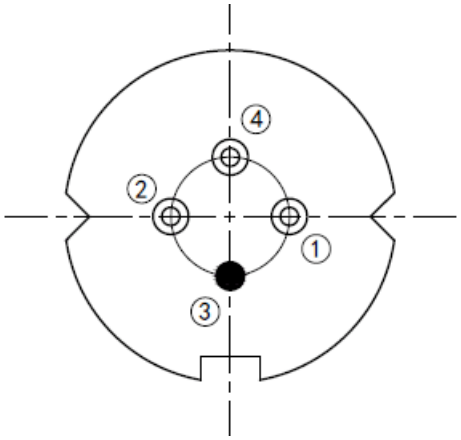
Coaxial Package View: (Part Number: WSLP-1270-005m-PM-DFB)



B86 Package View: (Part Number: WSLP-1270-005m-PM-B-DFB)



Bottom View: (A-Type)



PIN 1	PD (+)
PIN 2	LD (−)
PIN 3	LD (+) , CASE
PIN 4	PD (−)

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Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

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