

1650nm 2mW~3mW DFB Coaxial Pigtailed Laser Diode with 9um SMF | Built-in Isolator

1650nm SM Fiber Coupled LD with Single Mode Fiber (SM Fiber) | Built-in PD

WSLP-1650-002m-9-DFB

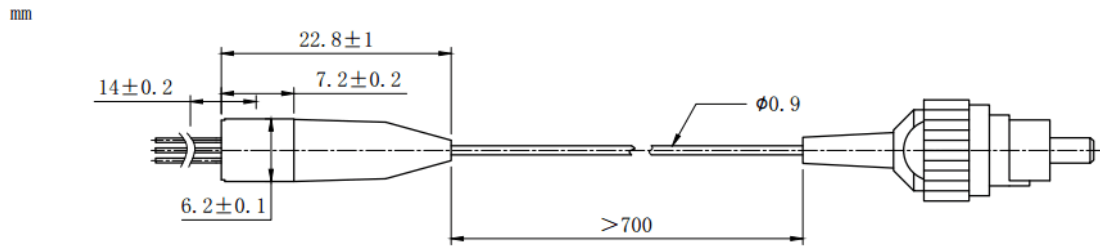
Wavespectrum Laser Group

www.wavespectrum-laser.com

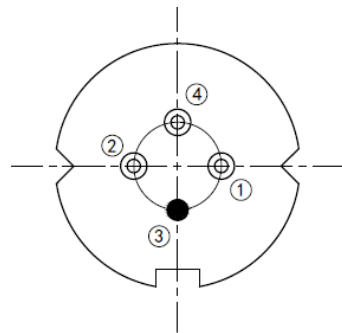
PARAMETER	SYMBOL	VALUE	UNIT
LD Reverse Voltage	V_r	2.0	V
PD Reverse Voltage	$V_{r(PD)}$	15	V
Operating Temperature	T_{op}	-40~+85	℃
Storage Temperature	T_{stg}	-40~+100	℃
Lead soldering temperature (10 sec.)	T_{is}	260	℃
Features: 1650nm - DFB Laser Diode - Built-in Photodiodes 9um SM Fiber - Built-in Isolator - Coaxial/Receptacle Package			
Applications: - Test Equipments - Optical Transmitter of Analog Signal - Optical Transmitter of Data Signal			
Specifications		WSLP-1650-002m-9-DFB	
	Min	Type	Max
Center Wavelength@25℃	±3nm	1650nm	±10nm
Laser Type	DFB		
Output Power	----	2mW	----
Fiber Core	9um SM Fiber		
Threshold Current (Typ.) I_{th}	----	5mA	15mA
Operating Current	----	35mA	40mA
Operating Voltage	----	1.2V	1.5V
Spectral Width (FWHM)	----	0.3nm	1nm
SMSR	----	35dB	----
Monitor Current	0.1mA	----	----
PD Capacitance	----	10pF	20pF
PD Dark Current	----	----	0.1uA
Optical Isolation	----	30dB	----
Package Style	Pigtail (Receptacle Optional)		
Recommended Operation Temperature	25℃		
Connector	FC/SC/SMA905		



Coaxial Package View:



Pin Bottom View (A-Type):



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

Electrically shorten LD module and store in non-extreme conditions.
Suggest using the constant current power supply.

