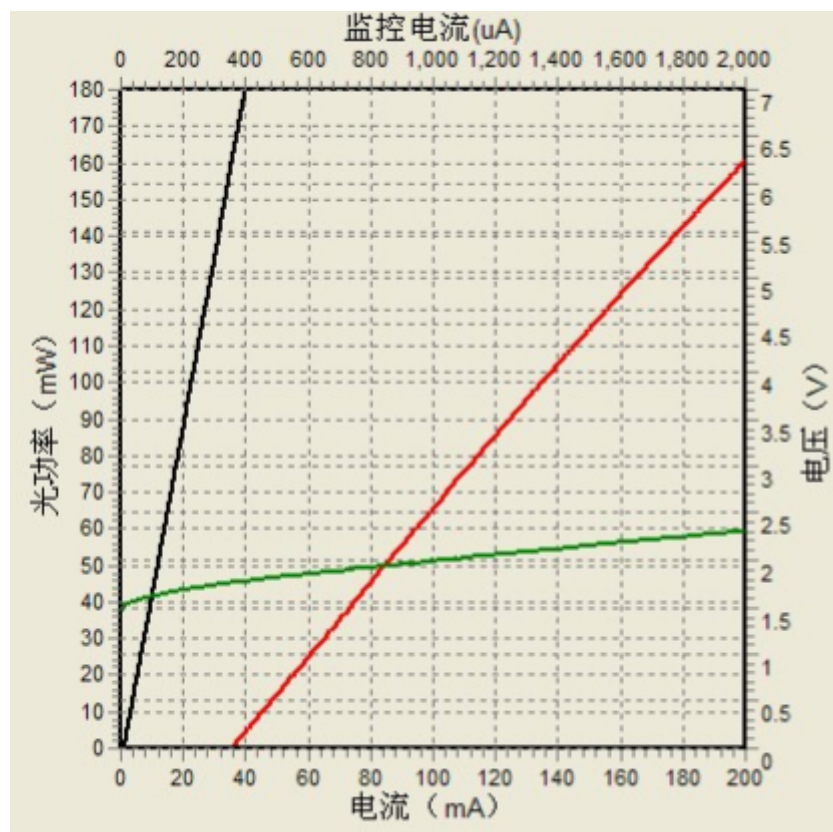


780nm-785nm 100mw Single Mode LD| SM Laser Diode|5.6mm TO18 Package | With PD
780-785nm SM Laser Diodes |Single Mode LD|100mw Power | Photodiodes
WSLD-785-100m-1-PD Wavespectrum Laser Group www.wavespectrum-laser.com

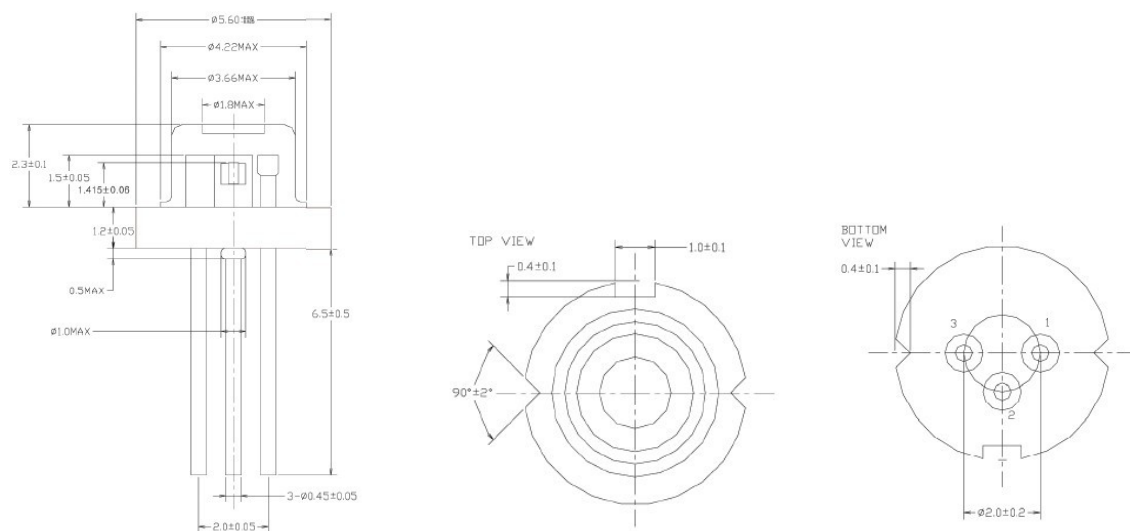
785nm Laser Diode PD 100mw		Wavespectrum Laser Group		
PARAMETER	SYMBOL	VALUE	UNIT	
Reverse Voltage	V _r	2.0	V	
Operating Temperature	T _{op}	-10 ~ +70	°C	
Storage Temperature	T _{stg}	-40 ~ +85	°C	
Lead soldering temperature (10 sec.)	T _{is}	280	°C	
Features: 785nm - Single Mode Beam - Built-in PD - TO18 Package				
Applications: - Medical laser treatment - Laser indicator - Others				
Specifications		WSLD-785-100m-1-PD		
		Min	Type	Max
Center Wavelength@25°C		775nm	785nm	795nm
Spectral Width (FWHM)		----	2.0nm	----
Output Power （CW Mode）		----	100mw	----
Output Power (Pulse Mode)		----	220mw	----
Pulse Condition		Pulse width 0.5us, duty cycle 50 %		
Laser Beam Mode		Single Mode		
Beam Divergence (FWHM)		15°± x 7° _{//}	17°± x 9° _{//}	19°± x 10° _{//}
Monitor Current		----	0.5mA	0.8mA
PD Reverse Voltage		----	30V	----
Test Temperature		25°C		
Slope Efficiency		----	1.1mW / mA	1.3mW / mA
Threshold Current (Typ.)		----	35mA	55mA
Operating Current (Typ.)		----	140mA	160mA
Operating Voltage		----	2.0V	2.5V



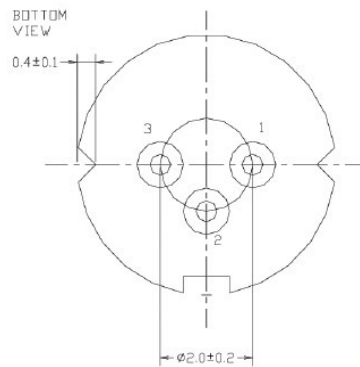
PVI Curve



TO18(5.6mm) Package View



PIN Bottom View:



1	LD(-)
2	LD(+)&PD(-)
3	PD(+)

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



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