

780nm~785nm 100mW Single Mode LD| SM Laser Diode|5.6mm TO18 Package

785nm SM Infrared Laser Diodes |Single Mode LD | Built-in Photodiode

WSLD-785-100m-1-PD

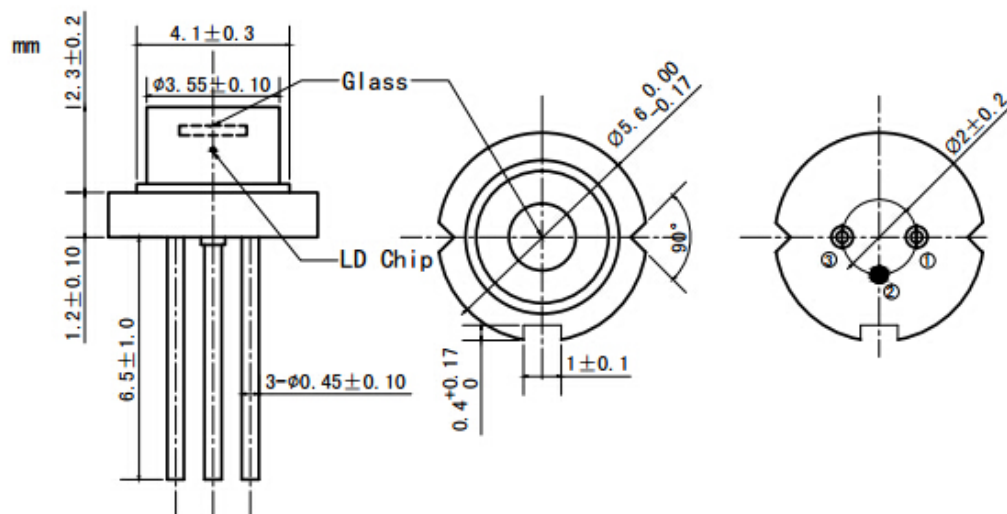
Wavespectrum laser Group

www.wavespectrum-laser.com

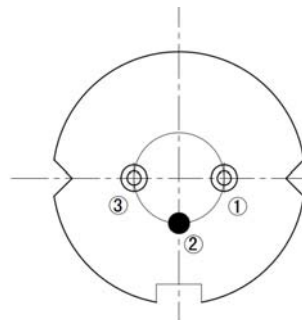
785nm Laser Diode PD		100mW/TO18	Wavespectrum Laser Group	
Reverse Voltage	V _r	2.0	V	
Operating Temperature	T _{op}	-20 ~ +60	°C	
Storage Temperature	T _{stg}	-40 ~ +85	°C	
Lead soldering temperature (5 sec.)	T _{is}	260	°C	
Features:				
785nm				
Single Mode LD				
Built-in PD				
TO18 Package				
Applications:				
Medical Laser Treatment				
Laser Indicator				
Laser Detector				
Specifications		WSLD-785-100m-1-PD		
	Min	Type	Max	
Center Wavelength@25℃	775nm	785nm	800nm	
Spectral Width (FWHM)	2.0nm			
Output Power (CW)	100mW			
Recommend Operating Temperature	25℃			
Beam mode	Single Transverse Mode			
Beam Divergence (FWHM)	35°± x 5° _{//}	36°± x 9° _{//}	42°± x 12° _{//}	
Monitor Current		0.2mA		
Slope Efficiency		0.9mW / mA		
Threshold Current (Typ.)		30mA	60mA	
Operating Current (Typ.)		140mA	160mA	
Operating Voltage		2.0V	2.4V	
Package Style	TO18			
Photodiode	Built-in			



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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