

780nm~785nm 120mW Single Mode LD| SM Laser Diode|5.6mm TO18 Package

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

WSLD-785-120m-1-PD

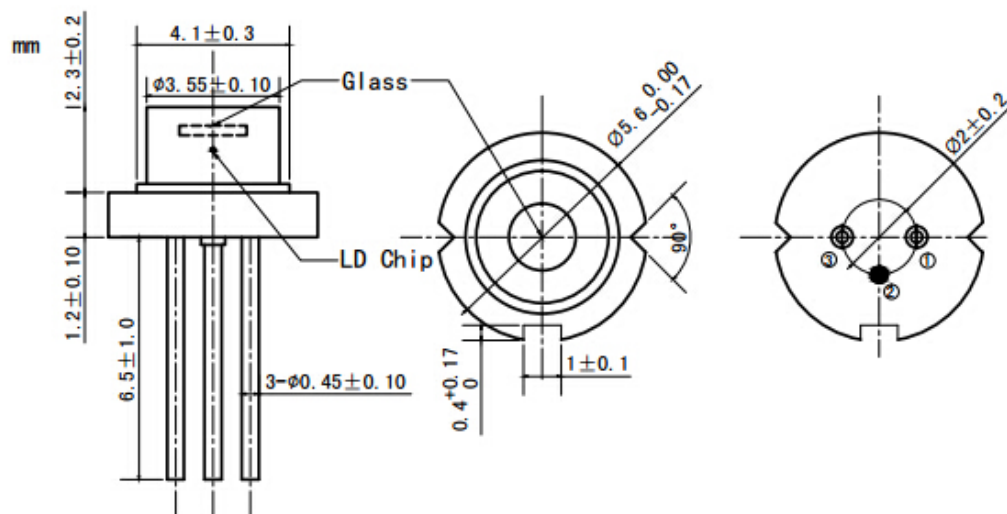
Wavespectrum laser Group

www.wavespectrum-laser.com

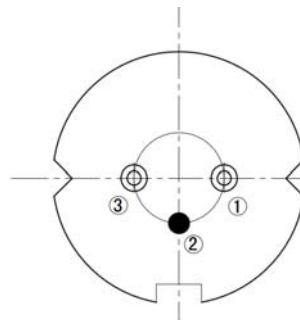
785nm Laser Diode PD		120mW/TO18	Wavespectrum Laser Group	
Reverse Voltage	V _r	2.0	V	
Operating Temperature	T _{op}	-20 ~ +60	°C	
Storage Temperature	T _{stg}	-40 ~ +85	°C	
Lead soldering temperature (10 sec.)	T _{is}	260	°C	
Features:				
● 785nm				
● Single Mode LD				
● Built-in PD				
● TO18 Package				
Applications:				
● Medical Laser Treatment				
● Laser Indicator				
● Laser Detector				
Specifications		WSLD-785-120m-1-PD		
		Min	Type	Max
Center Wavelength@25℃		775nm	785nm	800nm
Spectral Width (FWHM)		2.0nm		
Output Power (CW)		120mW		
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		----	1.0mW / mA	----
Threshold Current (Typ.)		----	35mA	65mA
Operating Current (Typ.)		----	150mA	170mA
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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