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-R **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	℃
Storage Temperature	T_{stg}	-40~+85	℃
Lead soldering temperature (5 sec.)	T_{ls}	260	℃

Features:

- 785nm
- Single Mode LD
- Built-in PD
- TO18 Package

Applications:

- Medical Laser Treatment
- Laser Indicator
- Laser Detector

Specifications	WSLD-785-100m-1-PD-R		
	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	

Wavespectrum Laser Group
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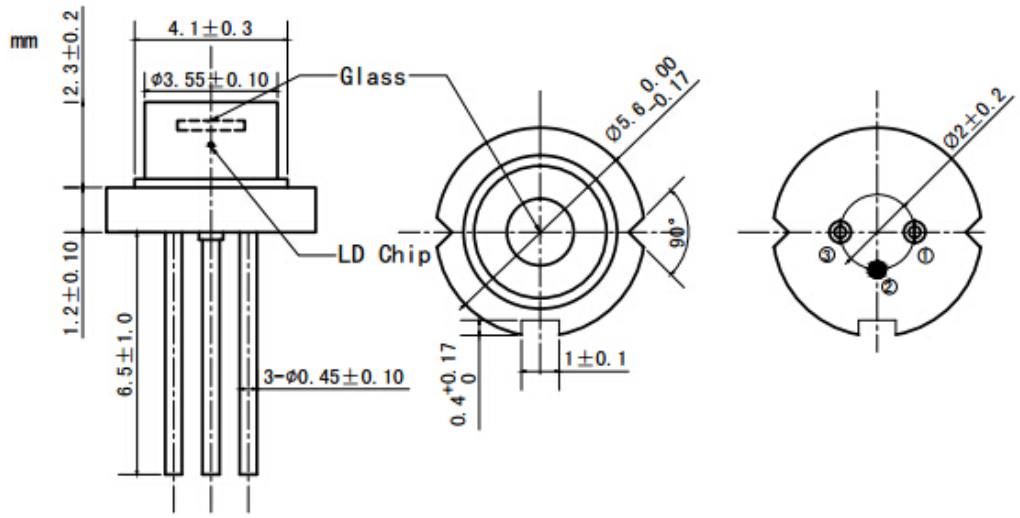
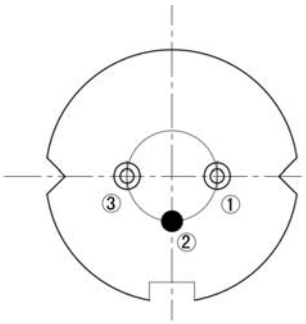
TO18(5.6mm) Package View



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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