

405nm~410nm 20mW~30mW SM Laser Diode | Single Mode LD With Photodiode

405nm LD| 20mW Power|TO18 Package

WSLD-405-020m-1-PD

Wavespectrum Laser Group

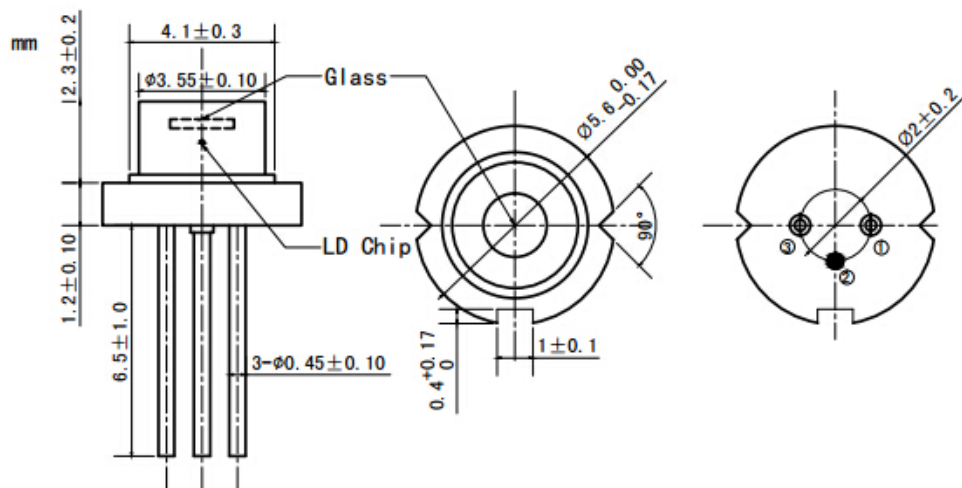
www.wavespectrum-laser.com

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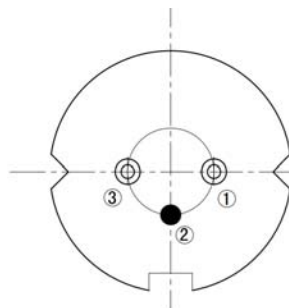
405nm Laser Diode		20mW/TO18	en.wavespectrum-laser.com.cn	
PARAMETER	SYMBOL	VALUE		UNIT
Reverse Voltage	V _r	2.0		V
Operating Temperature	T _{op}	0 ~ +70		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead soldering temperature (10 sec.)	T _{is}	260		°C
Features:				
405nm - CW - TO18 Package - Single Mode Beam				
Applications:				
- Medical Cure - Printing - Others				
Specifications		WSLD-405-020m-1-PD		
		Min	Type	Max
Center Wavelength@25℃		405nm±10nm		
Spectral Width (FWHM)		2.0nm		
Output Power		----	20mW	----
Emitter		Single		
Beam Divergence (FWHM)		15° _⊥ x 5° _{//}	19° _⊥ x 9° _{//}	24° _⊥ x 12° _{//}
Monitor Current		----	0.2mA	----
PD Reverse Voltage		----	----	30V
Recommended Operating Temperature		25℃		
Slope Efficiency		0.7mW / mA	1.2mW / mA	----
Threshold Current (Typ.)		----	25mA	----
Operating Current (Typ.)		----	45mA	----
Operating Voltage		----	4.8V	5.8V
Package Style		TO18(5.6mm)		



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.

