

405nm 150mW Single Mode Laser Diode with Photodiode | SM LD | Violet LD | 5.6mm Package | Built-in PD

405nm LD | 150mW Output Power | TO18 Package | With Photodiode

WSLD-405-150m-1-PD

Wavespectrum Laser Group

www.wavespectrum-laser.com

405nm Laser Diode		150mW/TO18	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}	260		°C
Features:				
405nm - Single Mode Beam - Built-in PD - TO18 Package				
Applications:				
- Medical Laser Treatment - Printing - Others				
Specifications		WSLD-405-150m-1-PD		
		Min	Type	Max
Center Wavelength@25°C		±5nm	405nm	±10nm
Spectral Width (FWHM)		2.0nm		
Output Power		----	150mW	----
Emitter		Single		
Beam Divergence (FWHM)		15° _⊥ x 5° _{//}	19.5° _⊥ x 9° _{//}	24° _⊥ x 12° _{//}
Monitor Current			0.3mA	
PD Reverse Voltage				30V
Recommended Operating Temperature		25°C		
Slope Efficiency		----	1.6mW / mA	----
Threshold Current (Typ.)		----	40mA	75mA
Operating Current (Typ.)		----	135mA	170mA
Operating Voltage		----	5.0V	6.0V
Package Style		TO18(5.6mm)		

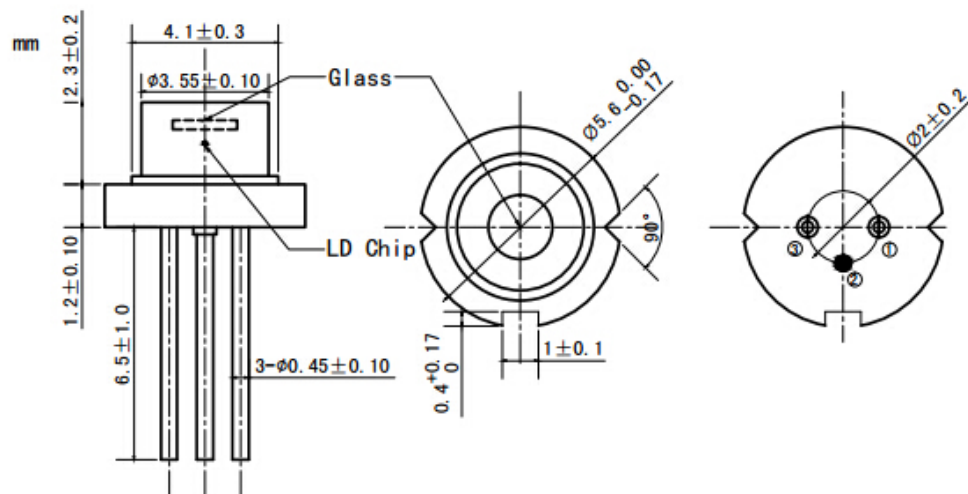
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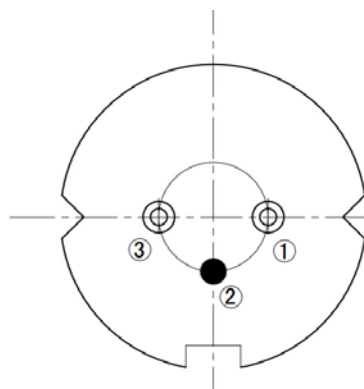
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TO18 Package View



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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