

405nm 100mW~120mW Single Mode Laser Diode | SM LD |Violet LD |5.6mm Package

405nm LD |120mW Output Power|TO18 Package | Without PD

WSLD-405-120m-1

Wavespectrum Laser Group

www.wavespectrum-laser.com

405nm Laser Diode		120mW/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 TO18 Package					
Applications: Medical Laser Treatment Printing Others					
Specifications			WSLD-405-120m-1		
			Min	Type	Max
Center Wavelength@25°C			±5nm	405nm	±10nm
Spectral Width (FWHM)			2.0nm		
Output Power			100mW	120mW	----
Emitter			Single		
Recommended Operating Temperature			25°C		
Beam Divergence (FWHM)			15° _⊥ x 5° _∥	19.5° _⊥ x 9° _∥	24° _⊥ x 12° _∥
Slope Efficiency			----	1.7mW / mA	----
Threshold Current (Typ.)			----	40mA	70mA
Operating Current (Typ.)			----	110mA	130mA
Operating Voltage			----	5.0V	6.0V
Package Style			TO18(5.6mm)		

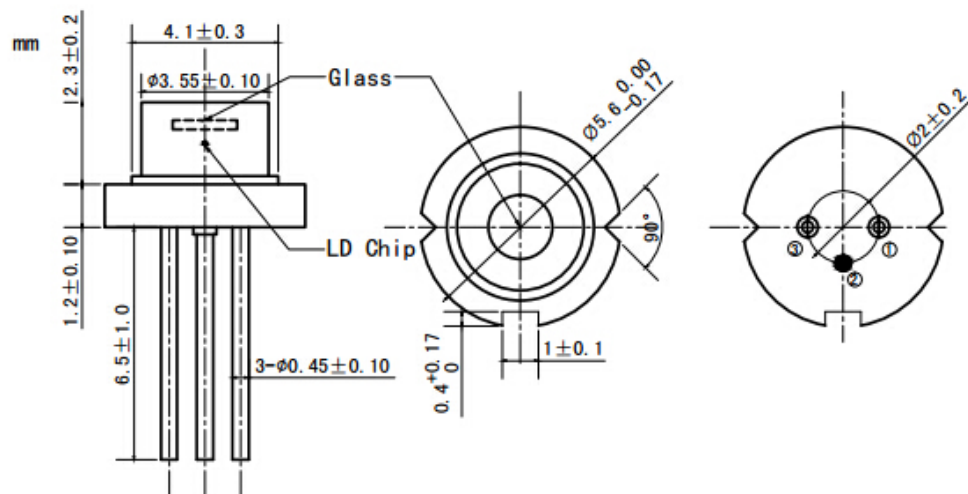
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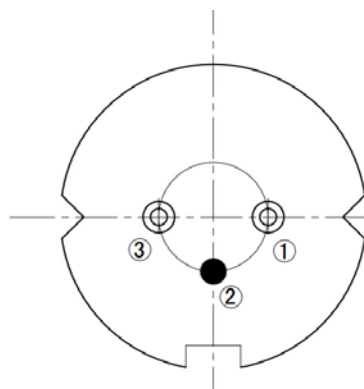
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TO18 Package View



PIN Bottom View:



1	LD(+)
2	GND
3	LD(-)

Electrically shorten LD module and store in non-extreme conditions.
Suggest using the constant current power supply.



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