

405nm 20mw SM Laser Diode | Single Mode LD

405nm LD|20mw Power|TO18 Package| Built-in PD

WSLD-405-020m-1-PD

Wavespectrum Laser Group

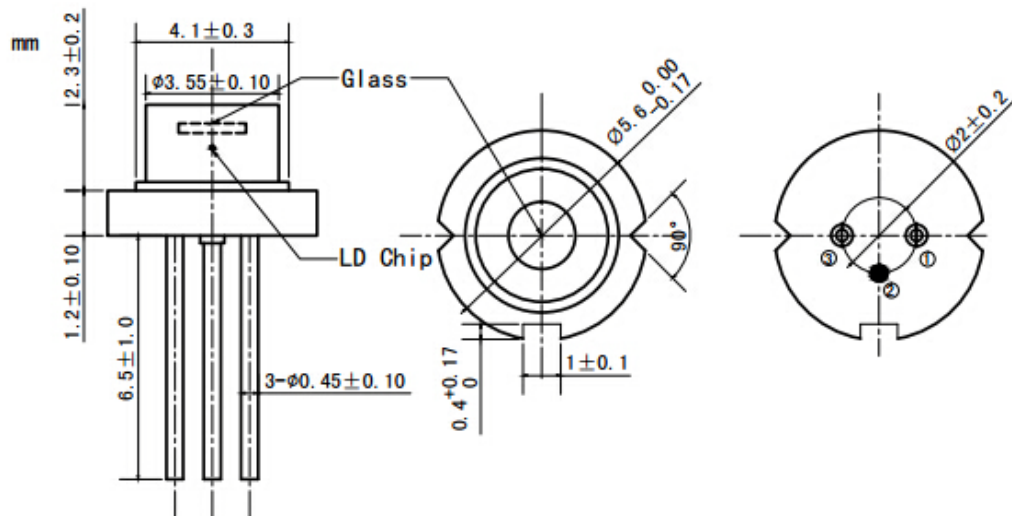
www.wavespectrum-laser.com

405nm Laser Diode		20mw	Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE		UNIT
Reverse Voltage	V _r	2.0		V
Operating Temperature	T _{op}	0 ~ +75		°C
Storage Temperature	T _{stg}	-40 ~ +85		°C
Lead soldering temperature (10 sec.)	T _{is}	260		°C
Features: 405nm - Built-in PD - TO18 Package - Single Mode Beam				
Applications: - Medical Cure - Printing - Others				
Specifications		WSLD-405-020m-1-PD		
		Min	Type	Max
Center Wavelength@25℃		395nm	405nm	415nm
Spectral Width (FWHM)		1.5nm		
Output Power		----	10mW	20mW
Beam Mode		Single Mode		
Beam Divergence (FWHM)		16°± x 6° _{//}	19°± x 8.5° _{//}	23°± x 12° _{//}
Monitor Current		0.1mA	0.2mA	0.5mA
Recommend Temperature		25 ℃		

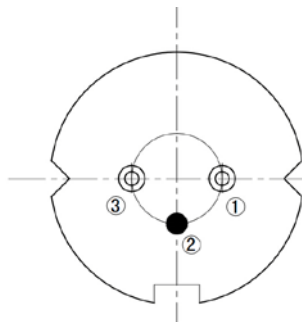
Slope Efficiency		0.7mW / mA	1.1mW / mA	----
Threshold Current (Typ.)		----	26mA	50mA
Operating Current (Typ.)		----	35mA	60mA
Operating Voltage			4.8V	5.6V
Package Style		TO18(5.6mm)		



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.

