405nm 120mw Single Mode Laser Diode | SM LD

405nm LD |120mw Power|TO18 Package

WSLD-405-120m-1 Wavespectrum Laser, Inc. www.wavespectrum-laser.com

405nm Laser Diode	120mw	Wavespectrum Laser, Inc

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-10~+80	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 405nm
- Single Mode
- TO18 package

Applications:

- Medical laser treatment
- Laser indicator
- Laser detector

Specifications	WSLD-405-120m-1		
	Min	Type	Max
Center Wavelength@25℃	400nm	405nm	410nm
Spectral Width (FWHM)		2.0nm	
Output Power	----	100mW	120mW
Emitter Area		-----	
Beam Divergence (FWHM)	15°⊥ x 7°//	19.5°⊥ x 9°//	23°⊥ x 12°//
Slope Efficiency	1.2mW/mA	1.4mW/mA	1.9mW/mA
Threshold Current (Typ.)	----	35mA	50mA
Operating Current (Typ.)	----	100mA	130mA
Operating Voltage	----	4.6V	5.5V
Package Style		TO18(5.6mm)	

M SQUARE
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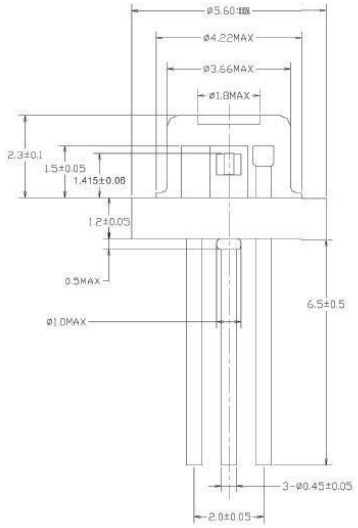
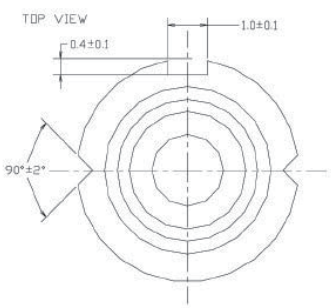
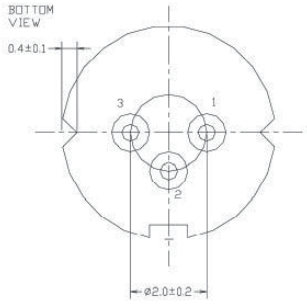
〒815-0041 福岡市南区野間1-10-18 TEL(092)554-6800 FAX(092)554-6802

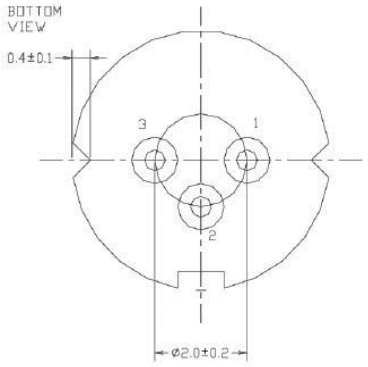
TO18(5.6mm)　Package View







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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