405nm 500mw Laser Diode|0.5W Power

405nm LD| 500mw Power|5.6 mm Package

WSLD-405-500m-1 Wavespectrum Laser, Inc. www.wavespectrum-laser.com

405nm Laser Diode 500mw	Wavespectrum Laser, Inc

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	0~+30	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 405nm
- High Output Power
- 5.6mm package

Applications:

- Medical laser treatment
- Printing
- Others

Specifications	WSLD-405-500m-1		
	Min	Type	Max
Center Wavelength@25℃	398nm	405nm	410nm
Spectral Width (FWHM)		2.0nm	
Output Power (CW)	400mW	----	500mW
Beam Mode		Multimode	
Beam Divergence (FWHM)	30°⊥ x 5°//	----	60°⊥ x 25°//
Recommended Operating Temperature		25 ℃	
Slope Efficiency	----	1.3mW/mA	1.5mW/mA
Threshold Current (Typ.)	----	110mA	160mA
Operating Current (Typ.)	----	400mA	420mA
Operating Voltage	----	4.9V	5.5V
Package Style		5.6mm	

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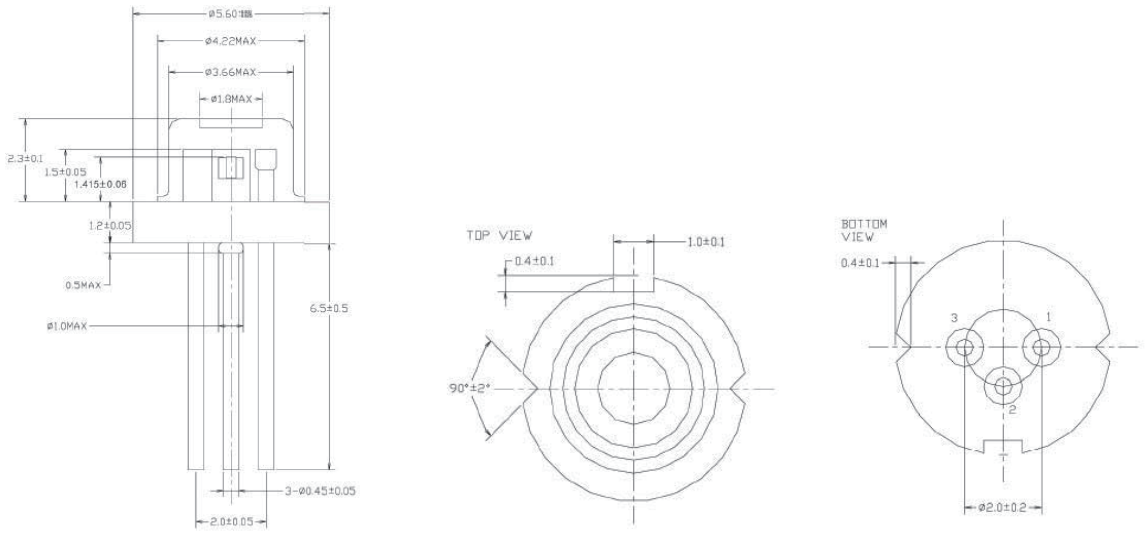
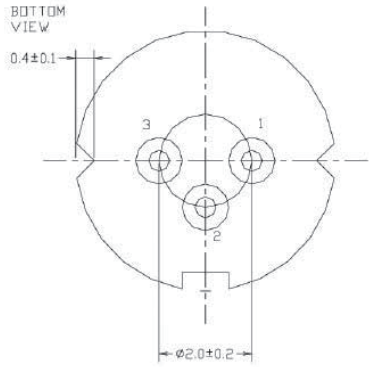
〒815-0041 福岡市南区野間1-10-18 TEL(092)554-6800 FAX(092)554-6802

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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