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RWLD-405-020m-1

405nm Laser Diode 20mw

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	0~+75	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 405nm
- CW
- TO18 package

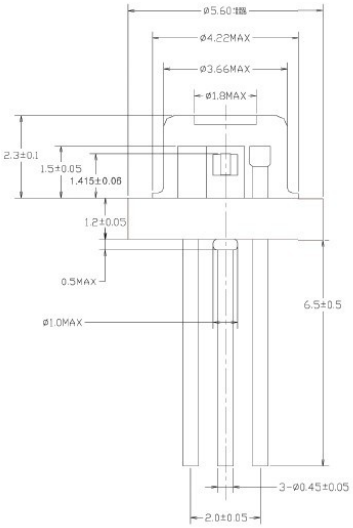
Applications:

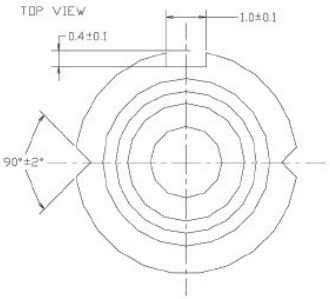
- Medical Cure
- Printing

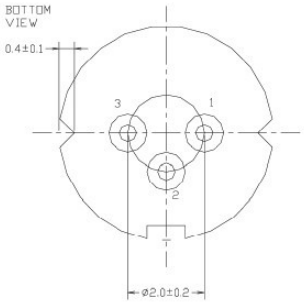
Specifications

	Min	Type	Max
Center Wavelength@25℃	395nm	405nm	415nm
Spectral Width (FWHM)		2.0nm	
Output Power	----	10mW	20mW
Emitter		Single	
Beam Divergence (FWHM)	16°⊥ x 6°//	19°⊥ x 8.5°//	23°⊥ x 12°//
Monitor Current	----	----	----
PD Reverse Voltage		----	
PD Forward Current		----	
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)	

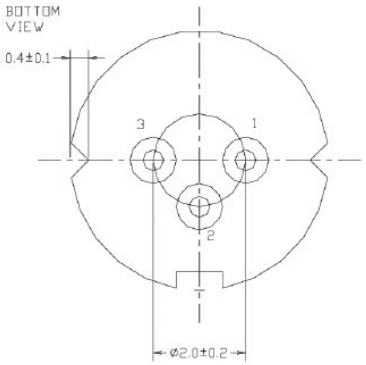
TO18(5.6mm) Package View







PIN Bottom View:



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

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.