

635nm 300mw Laser Diode 5.6mm TO18 Package

635nm 5.6mm Package|300mw| LD

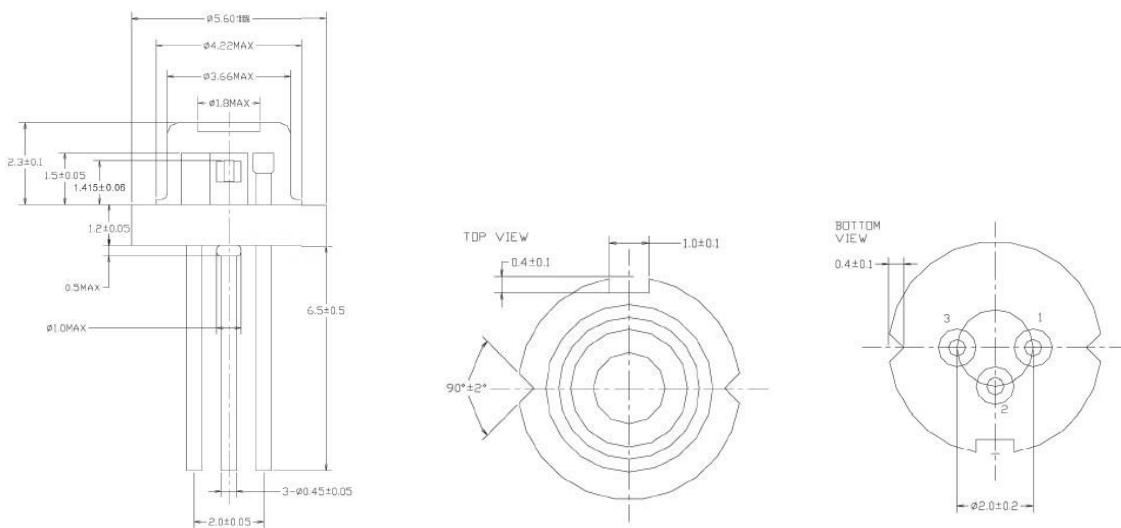
WSLD-635-300m-1

Wavespectrum Laser, Inc. www.wavespectrum-laser.com

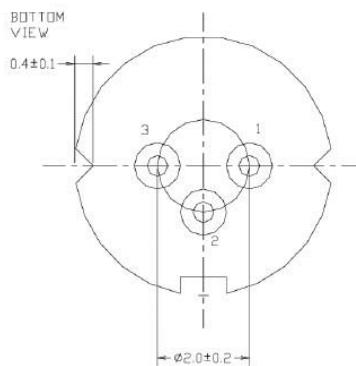
635nm Laser Diode		300mw	Wavespectrum Laser, Inc
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V _r	2.0	V
Operating Temperature	T _{op}	-5 ~ +50	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead soldering temperature (10 sec.)	T _{ls}	260	°C
Features:	<ul style="list-style-type: none"> • 635nm • CW • TO18 package 		
Applications:	<ul style="list-style-type: none"> • Medical laser treatment • Laser indicator 		
Specifications	WSLD-635-300m-1		
	Min	Type	Max
Center Wavelength@25°C	630nm	638nm	645nm
Spectral Width (FWHM)	2.0nm		
Output Power	----	300mW	----
Emitter	Single		
Beam Divergence (FWHM)	23° ± x 2° //	35° ± x 7° //	45° ± x 12° //
Monitor Current	----		
PD Reverse Voltage	----		
PD Forward Current	----		
Slope Efficiency	0.8mW/mA	1.0mW/mA	1.3mW/mA
Threshold Current (Typ.)	----	135mA	180mA
Operating Current (Typ.)	----	400mA	475mA
Operating Voltage	2.0V	2.2V	2.5V
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.

