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685nm~690nm 50mw Single Mode Laser Diode (LD)

685nm SM LD| 50mw power|5.6mm package

WSLD-685-050m-1　　Wavespectrum Laser, inc.　　www.wavespectrum-laser.com

685nm Laser Diode　SM　50mw	Wavespectrum Laser, Inc

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-10~+60	℃
Storage Temperature	T_{stg}	-40 ~ +85	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

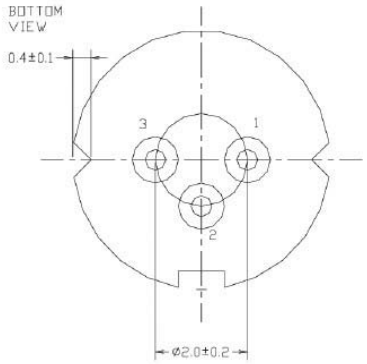
- 685nm
- CW
- Single Mode
- TO18　package

Applications:

- Medical laser treatment
- Laser indicator
- Others

Specifications	WSLD-685-050m-1		
	Min	Type	Max
Center Wavelength@25℃	680nm	685nm	690nm
Recommend Operating Temperature		25℃	
Output Power	----	50mw	----
Emitter	----	Single	----
Beam Divergence (FWHM)	$12°_{\perp}$ x $7°_{//}$	$13°_{\perp}$ x $8°_{//}$	$22°_{\perp}$ x $12°_{//}$
PD Forward Current	----	----	----
Slope Efficiency	----	1.1mW/mA	1.2mW/mA
Threshold Current (Typ.)	20mA	25mA	35mA
Operating Current (Typ.)	----	70mA	80mA
Operating Voltage	----	2.4V	2.7V
Package Style		TO18	

TO18(5.6mm) Package 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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