

690nm Collimated Laser Diode Module | Single Mode LD| 30mw Output Power| Collimation Beam

680nm~690nm Red LD| Small Compact Package| Built-in PD| Built-in TEC Cooling Optional

WSLM-690-030m-K

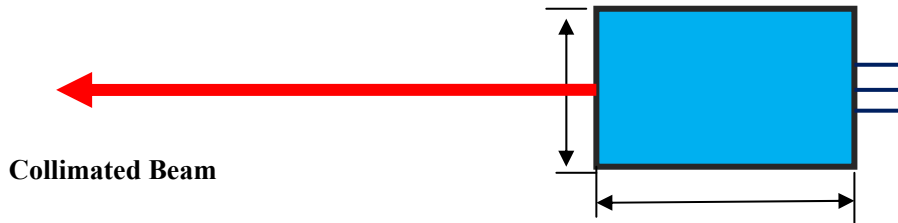
Wavespectrum Laser, Inc.

www.wavespectrum-laser.com

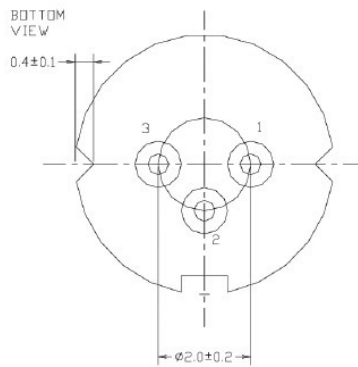
690nm Collimated Laser Diode		30mw		Wavespectrum Laser, Inc	
PARAMETER		SYMBOL	VALUE		UNIT
Reverse Voltage		V_r	2.0		V
Operating Temperature		T_{op}	-10~+70		°C
Storage Temperature		T_{stg}	-40 ~ +85		°C
Lead soldering temperature (10 sec.)		T_{is}	260		°C
Features: <ul style="list-style-type: none"> • 690nm • CW/Pulsed Mode • Collimated Laser Beam • Small Compact Package • Excellent Beam Quality • Built-in PD • Built-in TEC Cooling Optional 					
Specifications		WSLM-690-030m-K			
		Min	Type	Max	
Center Wavelength@25°C		680nm	690nm	695nm	
Output Power	(CW Mode)	----	30mW	----	
	(Pulsed Mode)	----	50mW	----	
		Pulse Width: 100ns , Duty: 50%			
Spatial Mode		Single Mode			
Lens Type		Aspheric Lens (with AR Coating)			
Beam Shape		Elliptical			
Beam Diameter @ Aperture		----	3mm \perp x 1.5mm \parallel	----	
Beam Divergence (Full Angle)		----	----	1mrad	
Recommend Operating Temperature		25 °C			
Monitor Current		----	0.1mA	0.5mA	
Threshold Current (Typ.)		----	40mA	60mA	
Operating Current (Typ.)		----	90mA	120mA	
Operating Voltage		----	2.5V	3.0V	
Housing Material		Aluminum			
Housing Dimensions		Customized			



Drawing



PIN Bottom View:



1	LD(-)
2	LD(+)&PD(-)
3	PD(+)

Electrically shorten LD module and store in non-extreme conditions.
 Suggest using the constant current power supply.

