

450nm 100mw~120mw Laser Diode| Single mode LD

445nm~450nm SMLD| 100mw Output Power | Blue Laser

WSLD-445-120m-1

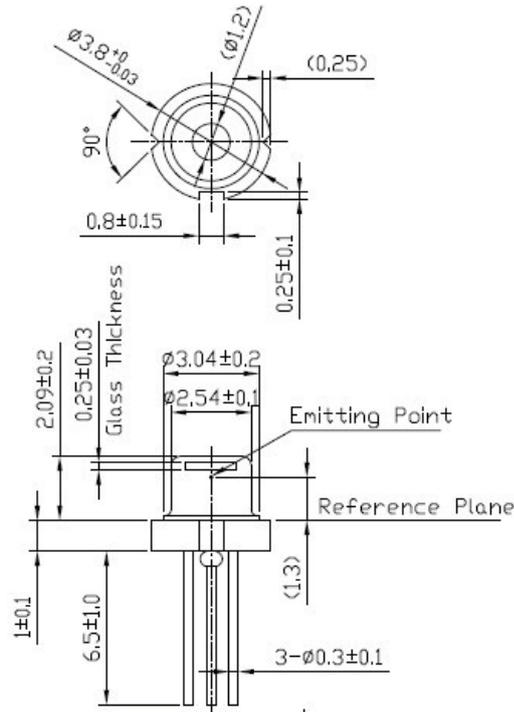
Wavespectrum Laser Group

www.wavespectrum-laser.com

445nm Laser Diode		100mw		Wavespectrum Laser Group	
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"> 445nm 100mW Power Single Mode Beam 					
Applications: <ul style="list-style-type: none"> Medical laser treatment Laser indicator Laser detector 					
Specifications		WSLD-445-120m-1			
		Min	Type	Max	
Center Wavelength@25°C		440nm	445nm	460nm	
Spectral Width (FWHM)		2.0nm			
Output Power		----	100mW	120mW	
Emitter		Single			
Beam Divergence (FWHM)		----	15°± x 7°//	25°± x 12°//	
Monitor Current		----			
Slope Efficiency		0.80mW/mA	1.0mW/mA	1.2mW/mA	
Threshold Current (Typ.)		----	30mA	60mA	
Operating Current (Typ.)		----	130mA	170mA	
Operating Voltage		----	5.5V	7V	
Package Style		3.8mm			



TO Can Package :



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.

