

445nm~455nm 5W TO5 Laser Diode with Square Beam | TO5 9mm Package |Blue Laser Diode

450nm LD| 5W Output Power | 9mm TO5 Package | With FAC Lens

WSLD-445-005-2-FAC

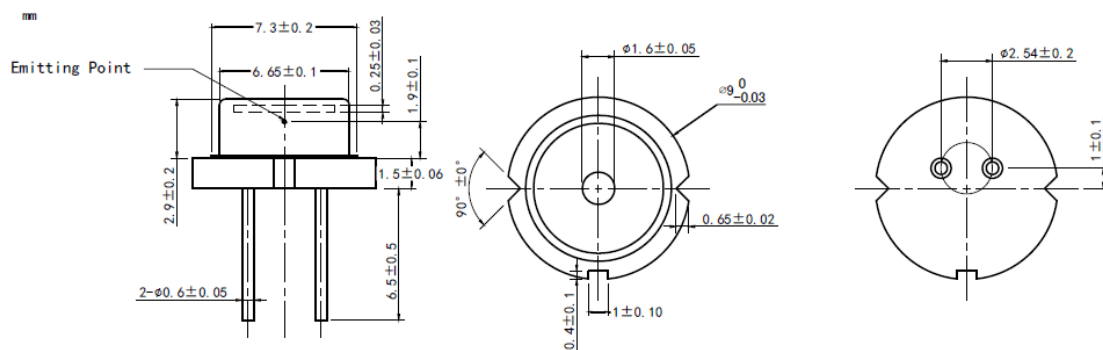
Wavespectrum Laser Group.

www.wavespectrum-laser.com

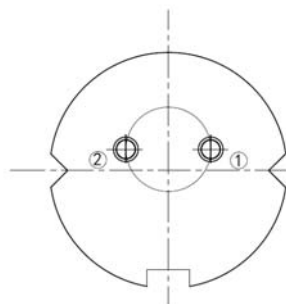
445nm Laser Diode		5W/TO5	en.wavespectrum-laser.com.cn	
PARAMETER		SYMBOL	VALUE	UNIT
Reverse Voltage		V _r	2.0	V
Operating Temperature		T _{op}	0 ~ +60	°C
Storage Temperature		T _{stg}	-40 ~ +85	°C
Lead soldering temperature (10 sec.)		T _{is}	260	°C
Features:				
450nm 5W Output Power - TO5 Package - With FAC Lens				
Applications:				
- Medical Laser Treatment - Laser Show - Others				
Specifications		WSLD-445-005-2-FAC		
		Min	Type	Max
Center Wavelength@25°C		450nm±15nm		
Spectral Width (FWHM)		3.0nm		
Output Power		----	5W	----
Recommended Operating Temperature		25°C		
Beam	Beam Divergence (FWHM)	----	10° _⊥ x 10° _{//}	13° _⊥ x 13° _{//}
	Beam Shape	Square Beam (About 1:1)		
Linear Shape Beam (Fast Axis compressed to about 2°)		Optional		
Slope Efficiency		----	1.7W / A	----
Threshold Current (Typ.)		----	0.3A	0.6A
Operating Current (Typ.)		----	3.2A	3.5A
Operating Voltage		----	4.5V	5.5V
Package Style		TO5 (9mm)		



Package View



PIN Bottom View:



1	LD(+)
3	LD(-)

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



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