

405nm 200mW SM Laser Diode| Single Mode LD

405nm SM LD| 200mW Power|3.8mm Package

WSLD-405-200m-1

Wavespectrum Laser Group

www.wavespectrum-laser.com.cn

405nm Laser Diode		200mW/3.8mm	en.wavespectrum-laser.com.cn	
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:				
405nm - CW/Pulse - Single Mode Beam 3.8mm Package				
Applications:				
- Medical Laser Treatment - Printing - Others				
Specifications		WSLD-405-200m-1		
		Min	Type	Max
Center Wavelength@25℃		405nm±10nm		
Spectral Width (FWHM)		2.0nm		
Output Power (CW)		----	200mW	----
Beam Type		Single Mode		
Beam Divergence (FWHM)		15° _⊥ x 7° _∥	20° _⊥ x 9° _∥	24° _⊥ x 12° _∥
Recommended Operating Temperature		25 ℃		
Slope Efficiency		1.0mW / mA	1.5mW / mA	1.9mW / mA
Threshold Current (Typ.)		----	35mA	60mA
Operating Current (Typ.)		----	160mA	180mA
Operating Voltage		----	5.2V	6.0V
Package Style		3.8mm		
Output Power (Pulse Mode)		400mW		
		Pulse Mode Condition : Width 30ns Duty 50 %		



