

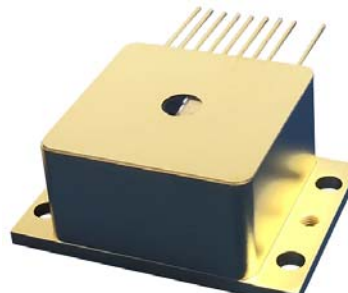
830nm~840nm 8W Laser Diodes with 9-Pin HHL Window Package | Square Beam Optional

830nm 8W High Power LD | Hermetic Package | Window Package | FAC Lens Optional

WSLD-830-008-H9-T-PD

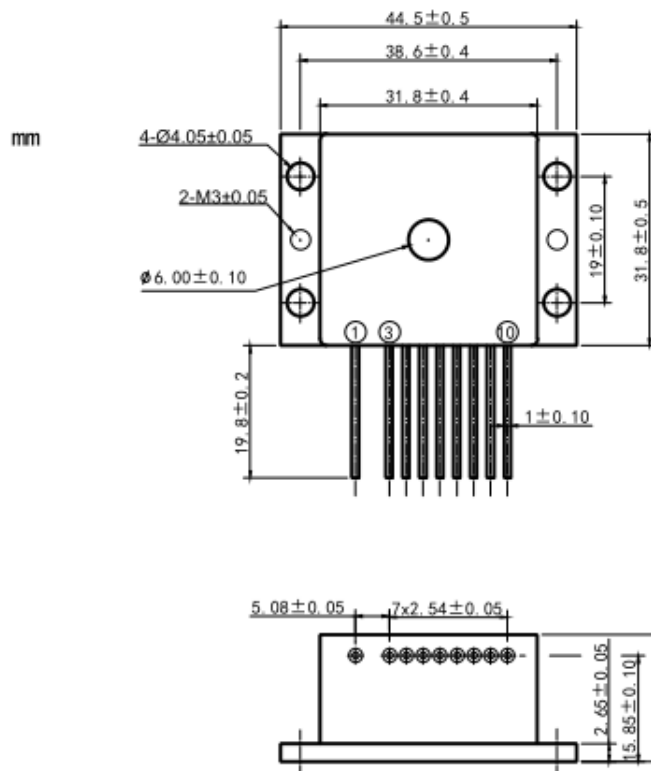
Wavespectrum laser Group.

www.wavespectrum-laser.com

830nm Laser Diode		8W/9-Pin HHL Window Package		en.wavespectrum-laser.com.cn	
Reverse Voltage	V _r	2.0		V	
Operating Temperature	T _{op}	+10~+30		°C	
Storage Temperature	T _{stg}	-20~ +80		°C	
Lead soldering temperature (10 sec.)	T _{is}	260		°C	
Features: 830nm - High Power, CW, Multi-mode 9-Pin HHL Window Package - Built-in TE Cooler					
Applications: - Medical Laser Treatment - Pumping Laser - Night Vision - Others					
Specifications		WSLD-830-008-H9-T-PD			
		Min	Type	Max	
Center Wavelength@25°C		830nm±20nm			
Spectral Width (FWHM)		----	3.0nm	----	
Output Power		7W	8W	----	
Emitter Area		----	200x1μm	----	
Beam Divergence (FWHM)		----	35°⊥ x 8°//	----	
Temperature Coefficient of Wavelength		----	0.3nm / °C	----	
Slope Efficiency		----	1.1W/A	----	
Threshold Current (Typ.)		----	1.2A	2.0A	
Operating Current (Typ.)		----	8.0A	8.5A	
Operating Voltage		----	2.0V	2.3V	
TEC Max. Voltage		9.8V			
TEC Max. Current		6A			
Thermistor		10K			
Package Style		9-Pin HHL Window Package			
Recommended Operating Temperature		25°C			



9-Pin HHL Window Package View



PIN	FUNCTION
1	TEC (-)
2	-
3	None
4	LD (+)
5	Thermistor
6	Thermistor
7	LD (-)
8	PD (N)
9	PD (P)
10	TEC (+)

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

