

840nm~850nm 8W Laser Diodes with 9-Pin HHL Window Package | Square Beam Optional

840nm 8W High Power LD | Hermetic Package | Window Package | FAC Lens Optional

WSLD-840-008-H9-T-PD

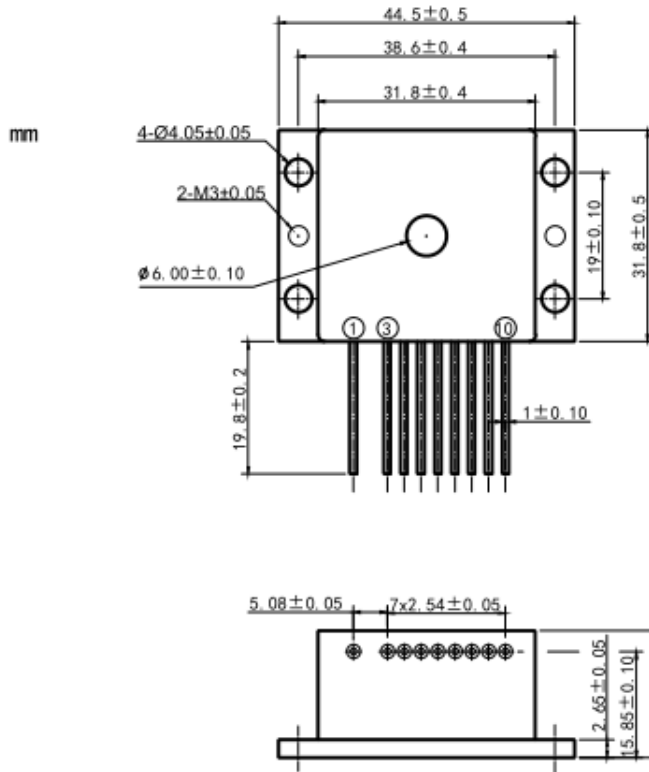
Wavespectrum laser Group.

www.wavespectrum-laser.com

840nm 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: <ul style="list-style-type: none"> 840nm High Power, CW, Multi-mode 9-Pin HHL Window Package Built-in TE Cooler 			
Applications: <ul style="list-style-type: none"> Medical Laser Treatment Pumping Laser Night Vision Others 			
Specifications		WSLD-840-008-H9-T-PD	
	Min	Type	Max
Center Wavelength@25°C	840nm ± 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.**

