

830nm 3W E-mount Laser Diode | FAC Optional | Square Beam Optional

830nm Laser Diode| High Power LD| 3W Output Power| E-mount Package

WSLD-830-003-E

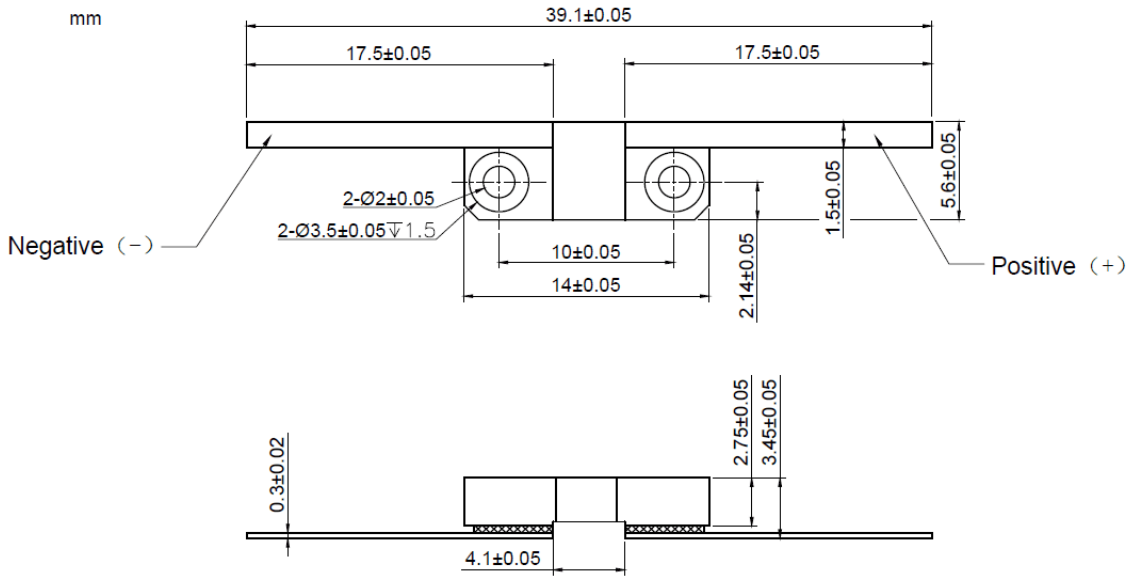
Wavespectrum Laser Group

www.wavespectrum-laser.com

830nm Laser Diode		3W/E-mount		Wavespectrum Laser Group	
PARAMETER	SYMBOL	VALUE		UNIT	
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"> 830nm Multimode E-mount Package FAC Lens Optional 					
Applications: <ul style="list-style-type: none"> Medical Laser Treatment Laser indicator Others 					
Specifications		WSLD-830-003-E			
		Min	Type	Max	
Center Wavelength@25°C		820nm	830nm	840nm	
Spectral Width (FWHM)			2.5nm		
Output Power		----	3W	----	
Emitter Area		----	100x1μm	-----	
Beam Divergence (FWHM)		----	35° _⊥ x 8° _{//}	----	
Temperature Coefficient of Wavelength		----	0.3nm / °C	----	
Slope Efficiency		----	1.1W/A	----	
Threshold Current (Typ.)		----	330mA	----	
Operating Current (Typ.)		----	3.2A	----	
Operating Voltage		----	1.9V	----	
Package Style		E-mount			
Recommended Operating Temperature		25°C			



E-mount Package View



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

