

780nm~785nm~790nm 5W E-mount Laser Diode | FAC Optional | Square Beam Optional

785nm Laser Diode| High Power LD| 5W Power| E-mount Package

WSLD-785-005-E

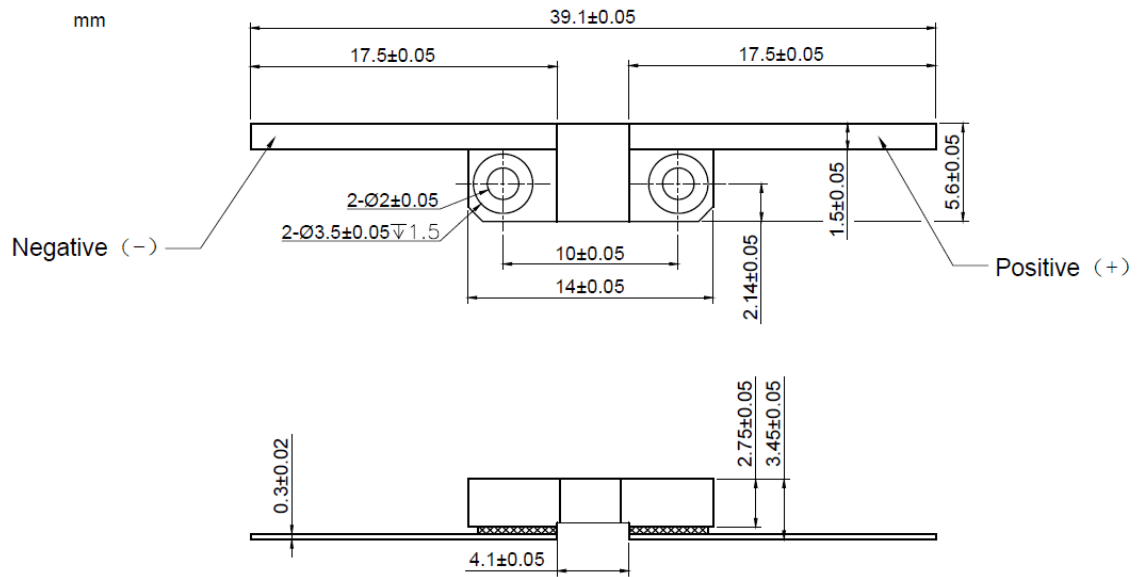
Wavespectrum Laser Group

www.wavespectrum-laser.com

785nm Laser Diode		5W/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"> 785nm Multimode E-mount Package FAC Lens Optional 					
Applications: <ul style="list-style-type: none"> Medical Laser Treatment Sensing Others 					
Specifications		WSLD-785-005-E			
		Min	Type	Max	
Center Wavelength@25°C		±5nm	785nm	±10nm	
Spectral Width (FWHM)			2.0nm		
Output Power		----	5W	----	
Emitter Area		----	200x1µm	-----	
Beam Divergence (FWHM)		----	35°± x 8°//	----	
Temperature Coefficient of Wavelength		----	0.3nm / °C	----	
Slope Efficiency		----	1.2W/A	----	
Threshold Current (Typ.)		----	0.7A	1.0A	
Operating Current (Typ.)		----	5.0A	5.5A	
Operating Voltage		----	1.9V	2.3V	
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.**

