


**976nm~980nm 12W~13W Laser Diode with E-mount Package | FAC Optional**
**980nm High Power 12W LD | Square Beam Optional**

WSLD-980-012-E

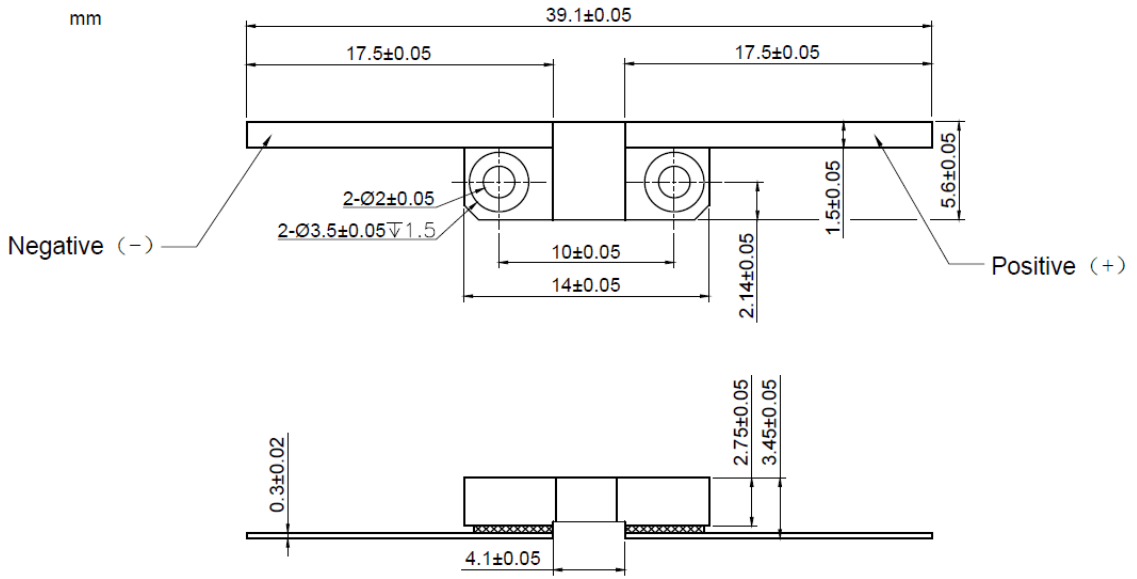
Wavespectrum laser Group

[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)

980nm Laser Diode		12W/E-mount		Wavespectrum Laser Group	
<b>Reverse Voltage</b>	$V_r$	2.0		V	
<b>Operating Temperature</b>	$T_{op}$	+10 ~+30		°C	
<b>Storage Temperature</b>	$T_{stg}$	-20~ +80		°C	
<b>Lead soldering temperature (10 sec.)</b>	$T_{is}$	260		°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>● 980nm</li> <li>● CW</li> <li>● E-mount Package</li> </ul>					
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Laser Pumping</li> <li>● Other</li> </ul>					
<b>Specifications</b>		<b>WSLD-980-012-E</b>			
		<b>Min</b>	<b>Type</b>	<b>Max</b>	
<b>Center Wavelength@25°C</b>		+/-5nm	976nm	+/-10nm	
<b>Spectral Width (FWHM)</b>		----	4.0nm	----	
<b>Output Power</b>		----	12W	----	
<b>Emitter Area</b>		200x1μm			
<b>Beam Divergence (FWHM)</b>		----	35° <sub>⊥</sub> x 8° <sub>//</sub>	----	
<b>Temperature Coefficient of Wavelength</b>		----	0.3nm / °C	----	
<b>Slope Efficiency</b>		----	1.0W/A	----	
<b>Threshold Current (Typ.)</b>		----	1.2A	----	
<b>Operating Current (Typ.)</b>		----	13.0A	----	
<b>Operating Voltage</b>		----	1.8V	----	
<b>Package Style</b>		E-mount			
<b>Recommended Operating Temperature</b>		25°C			



### E-mount Package View



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

