

670nm 1W High Power Laser Diode| E-mount Package| High Power Red LD| FAC Optional

660nm~670nm 1W E-mount Diode Laser | Red Laser Diodes

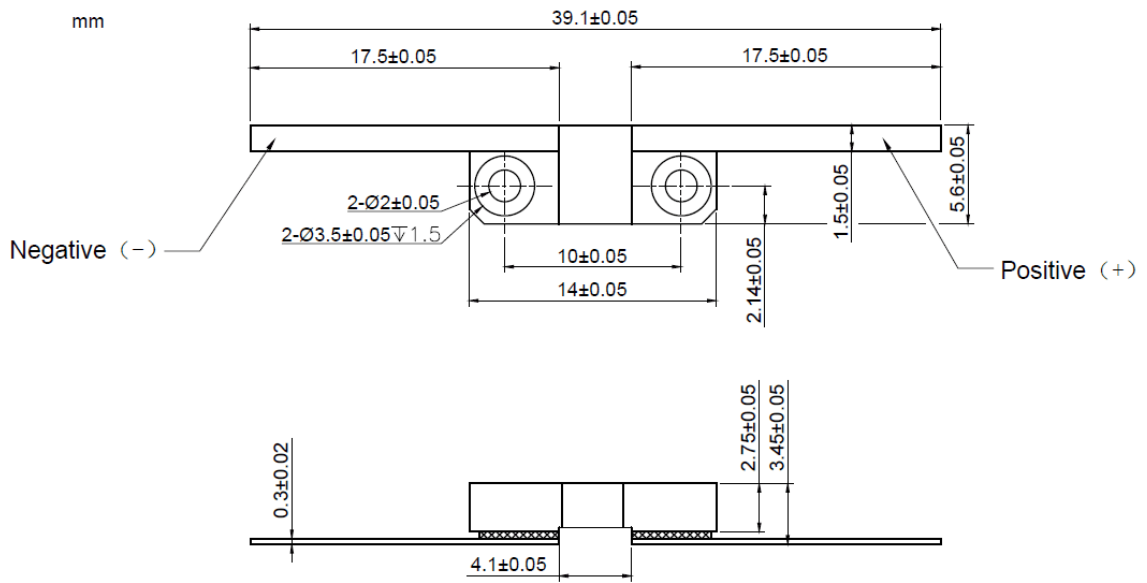
WSLD-670-001-E

Wavespectrum Laser Group

en.wavespectrum-laser.com.cn

| 670nm Laser Diode   |           | 1W/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                       |  |
| <b>Features:</b> <ul style="list-style-type: none"> <li>670nm</li> <li>High Power ,CW, Multi-mode</li> <li>High Quality</li> <li>E-mount Package</li> </ul> |           |  |                                     |                          |  |
| <b>Applications:</b> <ul style="list-style-type: none"> <li>Medical Laser Treatment</li> <li>Laser Indicator</li> <li>Laser Detector</li> </ul>             |           |  |                                     |                          |  |
| <b>Specifications</b>   |           | <b>WSLD-670-001-E</b>  |                                     |                          |  |
|   |           | <b>Min</b>   | <b>Type</b>                         | <b>Max</b>               |  |
| Center Wavelength@25°C  |           | 670nm ± 10nm   |                                     |                          |  |
| Spectral Width (FWHM)   |           |  | 2nm                                 |                          |  |
| Output Power  |           |  | 1W                                  |                          |  |
| Emitter Area  |           |  | 100x1μm                             |                          |  |
| Beam Divergence (FWHM)  |           |  | 35° <sub>⊥</sub> x 8° <sub>//</sub> |                          |  |
| Temperature Coefficient of Wavelength   |           |  | 0.2nm / °C                          |                          |  |
| Slope Efficiency  |           |  | 1.1W/A                              |                          |  |
| Threshold Current (Typ.)  |           |  | 0.4A                                |                          |  |
| Operating Current (Typ.)  |           |  | 1.5A                                |                          |  |
| Operating Voltage   |           |  | 2.4V                                |                          |  |
| Package Style   |           | E-mount  |                                     |                          |  |
| Recommended Operation Temp  |           | 25°C   |                                     |                          |  |



**E-mount Package View:**


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

