




940nm 5W laser diodes with C mount Package

940nm High power 5w LD

WSLD-940-005-C

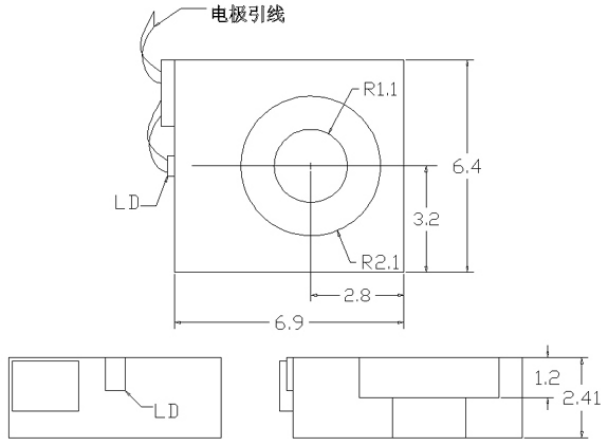
Wavespectrum laser inc.

www.wavespectrum-laser.com

| 940nm Laser Diode   |           | 5W   | Wavespectrum Laser, Inc |              |
|---|-----------|--|-------------------------|--------------|
| Reverse Voltage   | $V_r$     | 2.0  | V                       |              |
| Operating Temperature   | $T_{op}$  | -10~+30  | °C                      |              |
| Storage Temperature   | $T_{stg}$ | -20 ~ +85  | °C                      |              |
| Lead soldering temperature (10 sec.)  | $T_{is}$  | 260  | °C                      |              |
| <b>Features:</b> <ul style="list-style-type: none"> <li>940nm</li> <li>CW</li> <li>C-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-940-005-C</b>  |                         |              |
|   |           | <b>Min</b>   | <b>Type</b>             | <b>Max</b>   |
| Center Wavelength@25°C  |           | +/-3nm   | 940nm                   | +/-10nm      |
| Spectral Width (FWHM)   |           | ----   | 2.5nm                   | ----         |
| Output Power  |           | ----   | 5W                      | ----         |
| Emitter Area  |           | ----   | 200x1µm                 | ----         |
| Beam Divergence (FWHM)  |           | ----   | 36°± x 10°//            | 40°± x 12°// |
| Temperature Coefficient of Wavelength   |           | ----   | 0.28nm / °C             | ----         |
| Slope Efficiency  |           | ----   | 1.0mW/mA                | ----         |
| Threshold Current (Typ.)  |           | ----   | ----                    | 1A           |
| Operating Current (Typ.)  |           | ----   | ----                    | 5.2A         |
| Operating Voltage   |           | ----   | ----                    | 2.0V         |
| Package Style   | C-mount   |  |                         |              |



### C-mount Package View



**Electrically shorten LD module and store in non-extreme conditions.**

**Suggest using the constant current power supply.**



**Please contact us:**

**Website: [www.wavespectrum-laser.com](http://www.wavespectrum-laser.com) (for more detailed information)**

**Email: [info@wavespectrum-laser.com](mailto:info@wavespectrum-laser.com) (for inquiry about this product)**

