

### 860nm 3W Multimode Laser Diode

| Part Number                          |                              | WSLD-860-003-C |                   |      |
|--------------------------------------|------------------------------|----------------|-------------------|------|
| PARAMETER                            | SYMBOL                       | VALUE          | UNIT OF MEASURE   |      |
| 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                |      |
| Typical Specification (@25°C)        |                              | Min.           | Typical Value     | Max. |
| Optical Parameters                   | Center Wavelength            | 860nm+/-10nm   |                   |      |
|                                      | Output Power                 | ----           | 3.0W              | ---- |
|                                      | Spectral Width(FWHM)         | ----           | 2.0nm             | ---- |
|                                      | Wavelength Temp. Coefficient | 0.3nm/°C       |                   |      |
|                                      | Laser Type                   | FP             |                   |      |
|                                      | Beam Type                    | Multimode      |                   |      |
|                                      | Emitter Size                 | 150um x 1um    |                   |      |
|                                      | Beam Divergence (FWHM)       | ----           | 35° $\perp$ x8°// | ---- |
| Electrical Parameters                | Threshold Current            | ----           | 0.4A              | ---- |
|                                      | Operating Current            | ----           | 3.0A              | ---- |
|                                      | Operating Voltage            | ----           | 2.1V              | ---- |
| Photodiode Parameters                | Photodiode                   | Without        |                   |      |
|                                      | PD Current                   | ----           | ----              | ---- |
|                                      | PD Reverse Voltage (Max. )   | ----           |                   |      |
| Other Parameters                     | Package                      | C-mount        |                   |      |
|                                      | Recommended Operating Temp.  | 25°C           |                   |      |

**Product Package View:**

**C-mount Package:**

