

## 915 nm laser diode

160 W / 105 μm fiber

Reference: 915LD-5-0-0

| SPECIFICATIONS  |       | Min              | Typ  | Maximum |
|---|-------|------------------|------|---------|
| Optical parameters  |       |                  |      |         |
| Output Power  | W     | 160              |      |         |
| Center Wavelength   | nm    | 905              | 915  | 925     |
| Spectral Width (FWHM)                                       | nm    |                  | 6.0  |         |
| Threshold Current   | A     |                  | 0.6  |         |
| Operating Current   | A     |                  |      | 15      |
| Operation Voltage   | V     |                  |      | 29      |
| Conversion Efficiency                                       | %     |                  | 44   |         |
| Wavelength shift w Temperature                              | nm/°C |                  | 0.35 |         |
| Wavelength shift w Current                                  | nm/A  |                  | 1    |         |
| Slope Efficiency  | W/A   |                  | 12   |         |
| Back reflection isolation stage                             | nm    | 1020             |      | 1200    |
| Back reflection isolation (optional)                        | dB    |                  | 30   |         |
| Storage Temperature   | °C    | -30              |      | 70      |
| Case Operating Temperature                                  | °C    | 15               | 25   | 45      |
| Minimum Fiber Bend Radius                                   | mm    | 30               |      |         |
| Fiber Buffer/tube Diameter                                  | μm    |                  | 900  |         |
| Fiber Clad Diameter   | μm    |                  | 125  |         |
| Fiber Core Diameter   | μm    |                  | 105  |         |
| Numerical Aperture  | NA    |                  | 0.22 |         |
| Soldering Temperature                                       | °C    |                  |      | 260     |
| Soldering time  | s     |                  |      | 10      |
| Dimensions  | mm    | 80*80*24.8       |      |         |
| Mounting holes (Diameter/distance)                          | mm    | Ø3.3 / 74.4 ; 38 |      |         |
| Fiber connector   |       | Yes (SMA905)     |      |         |
| ROHS Compliant  |       | Yes              |      |         |
| Please solder the pins when the level of current is over 6A |       |                  |      |         |

