

915 nm laser diode 160 W / 105 μm fiber

Reference: 915LD-5-0-0

| SPECIFICATIONS | Unit | 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 | | | | |

