

## LD-915-180-BT-SM



### 915 nm Laser Diode, 180 mW, SM Fiber

The LD-915-180-BT-SM is a 915 nm fiber coupled diode laser, available with up to 180 mW of continuous output power, with single mode fiber. It features in a high brightness and offers excellent stability and reliability. This laser chip design offers un-measurable degradation and long lifetimes. Our 915 nm single mode line serves a broad range of applications including optical data storage, laser ranging, graphics and optical pumping.

Laser Source Diode

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|                            |                           |
|----------------------------|---------------------------|
| Laser Type                 | Fabry-Perot               |
| CW-Output Power            | 180 mW                    |
| Center Wavelength          | 915±5 nm                  |
| Spectral Width             | 2.0 nm max.               |
| Operating Current          | 370 mA typ.; 420 mA max.  |
| Threshold Current          | 30 mA typ.; 50 mA max.    |
| Operating Voltage          | 1.9 V typ.; 2.2 V max.    |
| Monitor Dark Current       | 50 nA max.                |
| TEC Current                | 2 A max.                  |
| TEC Voltage                | 3.5 V max.                |
| Kink-Free Power            | 330 mW min.               |
| Slope Efficiency           | 0.9 W/A typ.              |
| Total Fiber Length         | 1 m (Standard)            |
| Fiber Type                 | Single Mode               |
| Connector                  | FC/APC (Standard) or None |
| Operating Case Temperature | -20°C to +25°C            |
| Storage Temperature        | -40°C to +80°C            |
| Operating Humidity         | 15% to 75%                |
| Monitor Responsivity       | 20 uA/mW max.             |
| Material                   | GaAs                      |