

LD-635-20-CX



635 nm LD, 20 mW, Coaxial Package, SM Fiber

The LD-635-20-CX is a 635 nm laser diode, packaged in compact coaxial housing with single mode fiber pigtail. It features a built-in detector and offers excellent stability and reliability. This product can be used for optical sensing, test and measurement equipment, laser range finder and medical treatment.

Laser Source
Diode

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Diode

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|-----------------------------------|--------------------------------|
| Laser Type | MQW Fabry-Perot LD |
| CW-Output Power | 20 mW typ. |
| Center Wavelength | 635±5 nm |
| Spectral Width | 3.0 nm typ. |
| Wavelength Shift with Temperature | 0.2 nm/°C typ. |
| Operating Current | 165 mA max. |
| Threshold Current | 45 mA typ. |
| Operating Voltage | 3 V max. |
| Slope Efficiency | 0.37 W/A typ. |
| Electrical-to-Optical Efficiency | 4% |
| Core Diameter | 9.0 μm |
| Cladding Diameter | 125 μm |
| Buffer Diameter | 0.9 mm |
| Numerical Aperture | 0.13 nm |
| Total Fiber Length | 1 m (Standard) |
| Fiber Type | Single Mode |
| Connector | FC/APC (Standard) or ST/SMA905 |
| Operating Case Temperature | 15°C to +35°C |
| Operating Humidity | 15% to 75% |
| Package | Coaxial Housing |
| Material | GaAs |