

1003 Pulse Laser Diode

LD-1310P-CX



1310 nm Coaxial Pulse Laser Diode, InGaAsP Strained, 100 mW Peak Power

The LD-1310P-CX is a high-power pulse laser diode that has been designed as a light laser source for pulsed fiber lasers and can be used for Optical Time Domain Reflectometer (OTDR) & other pulse application. It feature high peak power and excellent reliability. Housed inside a coaxial fiber package, LD-1310P-CX is extremely compact. Contact Optilab for more information.

FEATURES

- Wavelength Range: 1310±10 nm
- Built in Isolator
- Multi-Mode Fabry Perot
- High Peak Output Power 100 mW @ 400 mA

USE IN

- LiDAR
- Remote Sensing
- OTDR
- Optical Spectroscopy

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|---------------------------|---|
| Wavelength Range | 1310±10 nm |
| Peak Optical Output Power | 100 mW typ. @ 1% Duty Cycle |
| Drive Current | 400 mA @ 100 mW |
| Forward Voltage | 2.5 V typ. |
| Threshold Current | 20 mA typ. |
| Rise Time | 1 ns typ. (Highly Depends on Driving Circuit) |
| Fall Time | 1 ns typ. (Highly Depends on Driving Circuit) |
| Operating Temperature | -20°C to +60°C |
| Storage Temperature | -40°C to +70°C |
| Operating Humidity | 95% @30°C max. |
| Optical Fiber Type | SMF |
| Optical Connector | FC/APC, Others Available |
| Pulsed Forward Current | 600 mA |
| Reverse Voltage | 2 V |
| Cooler Current | 1.3 A |
| Cooler Voltage | 3.5 V |