

1103 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.

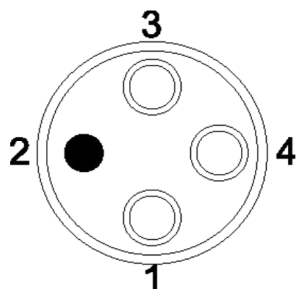
FEATURES

- 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

FUNCTIONAL DIAGRAM



Type 2 Pinout

Pin 1	PD(-), LD(+)
Pin 2	Case
Pin 3	LD(-)
Pin 4	PD(+)

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.

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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	SM Fiber
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

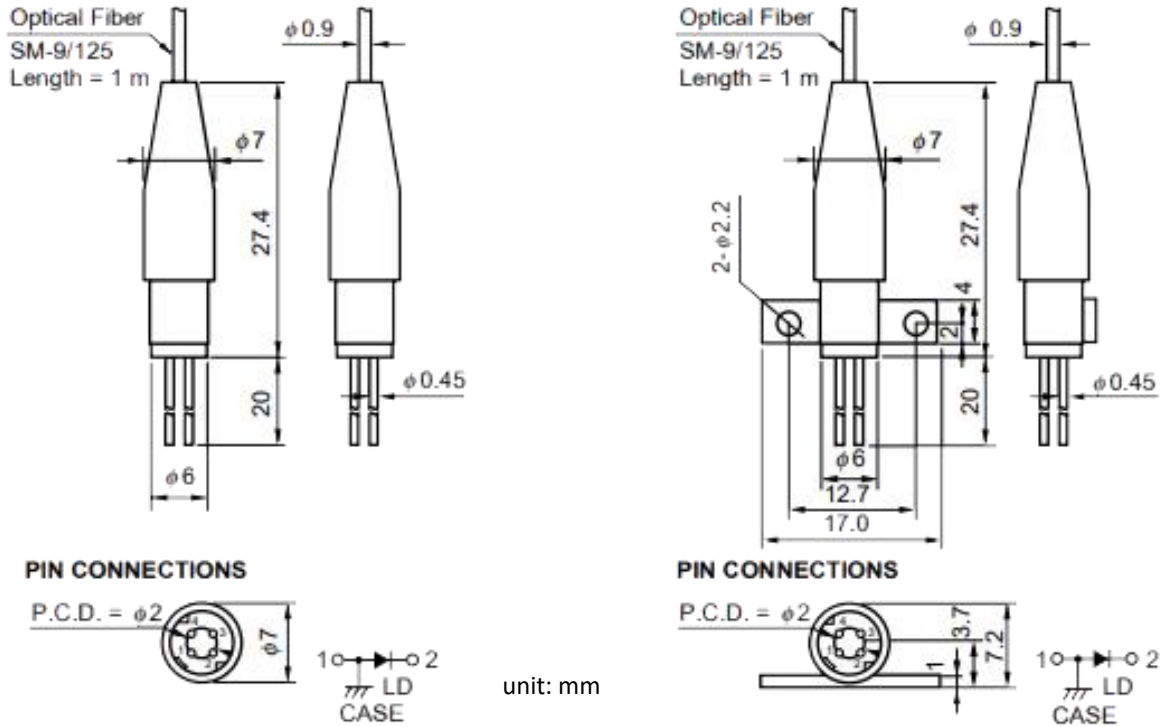
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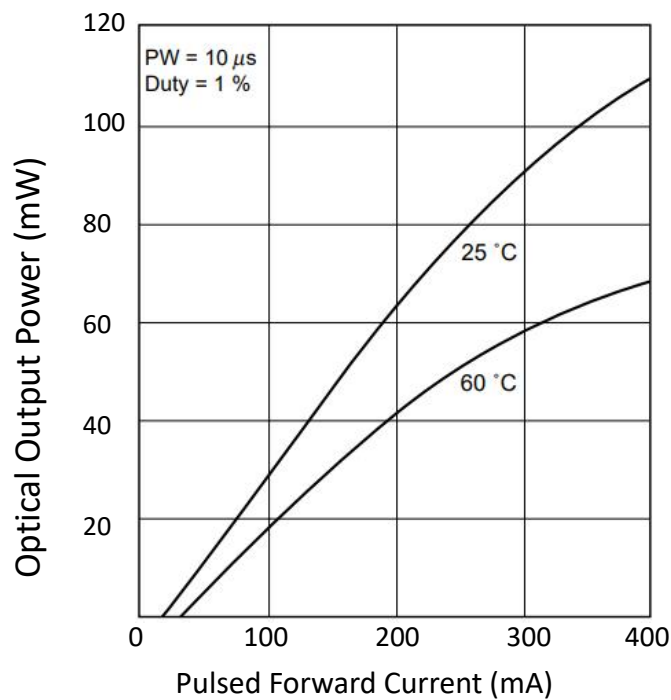
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MECHANICAL DRAWING



SAMPLE TEST DATE



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