

## 1003 Pulse Laser Diode

LD-1310P-110



### 1310 nm Pulse Laser Diode, 110 mW Peak Power

The Optilab LD-1310P-110 is a 1310 nm pluse laser diode, packaged in compact coaxial housing. It features a 110 mW output power and 10  $\mu$  s pulse width. This product can be used for optical time domain reflectometer (OTDR) system.

#### FEATURES

- High Output Power  
 $P_F=110\text{ mW}@I_{FP}=770\text{ mA}$
- Pulse Width (PW)=10  $\mu$ s, Duty=1%
- Long Wavelength  $\lambda_C=1310\text{ nm}$  F-P Laser Chip

#### USE IN

- OTDR System

Forward Voltage	3.5V max.
Threshold Current	10 mA typ.; 15 mA max.
Operating Current	700 mA min.; 750 mA typ.
Optical Output Power	110 mW min.; 120 mW typ.
Center Wavelength	1310 $\pm$ 20 nm
Spectral Width	4 nm max.
Rise Time	0.5 ns typ.; 1.0 ns max.
Fall Time	0.5 ns typ.; 1.0 ns max.
Pulsed Forward Current	1000 mA
Reverse Voltage	2.0 V
Operating Case Temperature	0 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Lead Soldering	260 °C, 10 Sec
Relative Humidity	85%, Non-condensing