



LDI P-FP-1310-150P

1310nm 150mW FP PULSE LASER DIODE MODULES

These laser diode modules are 1310nm pulse FP laser-diode coaxial modules with single-mode fiber pigtails. These modules are optimal light sources for optical time domain reflectometer (OTDR).

Absolute maximum ratings

| | |
|-------------------------------------|-------------|
| LD pulse forward current, I_{fl} | 1000mA |
| LD reverse voltage, V_{rl} | 2V |
| PD reverse voltage, V_{rd} | 30V |
| Operating case temperature, T_c : | -20 ÷ +50°C |
| Storage temperature, T_{stg} | -30 ÷ +60°C |

Electrical / optical characteristics (SM, T=25°C)

| Parameter | | Min. | Typ. | Max. | Unit | Test conditions |
|-------------------|-----------------|------|------|------|------|-----------------------|
| Wavelength | λ | 1290 | 1310 | 1340 | nm | Pulse*, P=150mW |
| Threshold current | I_{th} | 4 | 15 | 30 | mA | CW |
| Operating current | I_{op} | | 890 | 920 | mA | Pulse*, P=150mW |
| Operating voltage | V_{op} | | 3 | 4.5 | V | Pulse*, P=150mW |
| Spectral width | $\Delta\lambda$ | | 20 | 30 | nm | Pulse*, P=150mW, -3dB |

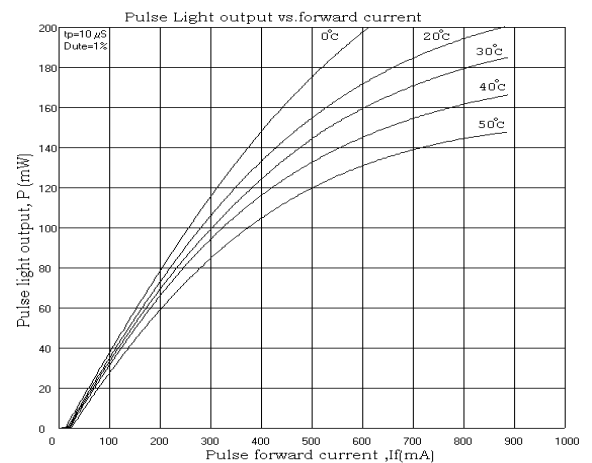
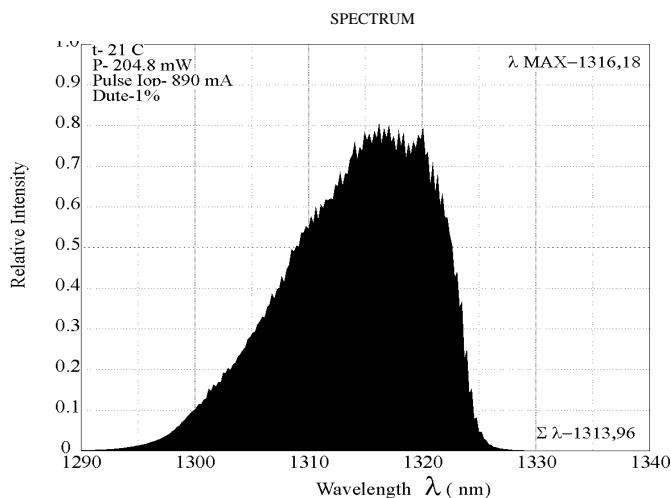
* Pulse Conditions: Pulse width - 10 μ s, Duty - 1%

Ordering information

LDI P-FP-1310-150P-X-SM-X

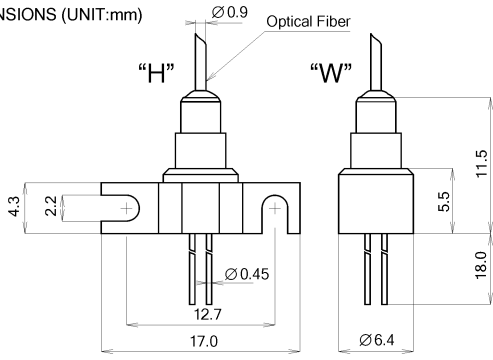
Case type: W, H

Connector type: FC/UPC, FC/APC, N – without connector



ATTENTION: ELECTROSTATIC SENSITIVE DEVICES

PACKAGE DIMENSIONS (UNIT:mm)



PIN Assignment (Bottom View)

