



# LDI P-FP-1550-100P

## 1550nm 100mW FP PULSE LASER DIODE MODULES

These laser diode modules are 1550nm pulse FP laser-diode coaxial modules with single-mode fiber pigtailed. 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	$\lambda$	1530	1550	1580	nm	Pulse*, P=100mW
Threshold current	$I_{th}$	4	20	45	mA	CW
Operating current	$I_{op}$		890	920	mA	Pulse*, P=100mW
Operating voltage	$V_{op}$		3	4.5	V	Pulse*, P=100mW
Spectral width	$\Delta\lambda$		20	30	nm	Pulse*, P=100mW, -3dB

\* Pulse Conditions: Pulse width - 10 $\mu$ s, Duty - 1%

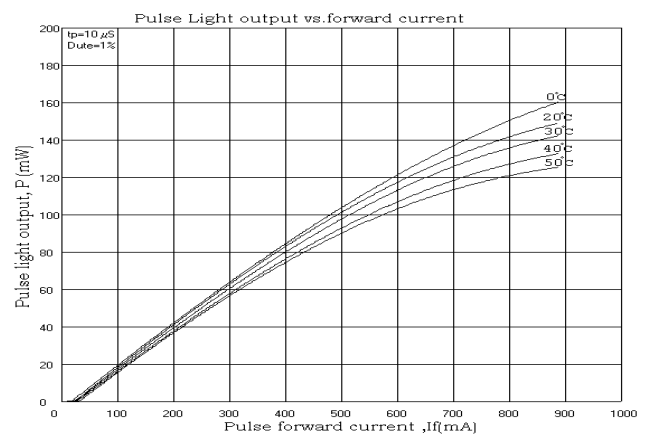
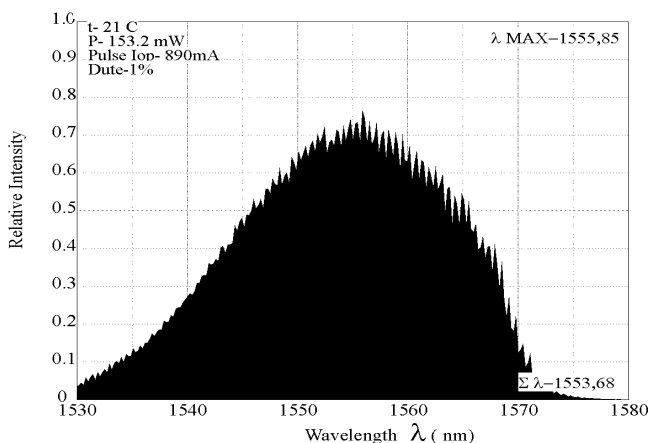
### Ordering information

## LDI P-FP-1550-100P-X-SM-X

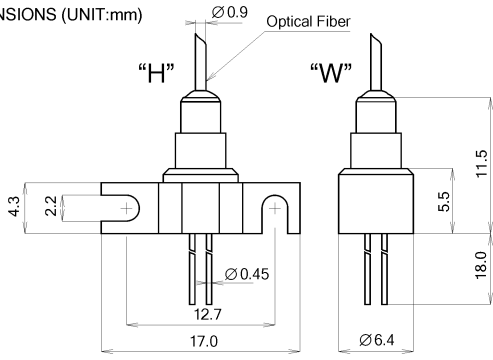
Case type: W, H

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

SPECTRUM



PACKAGE DIMENSIONS (UNIT:mm)



PIN Assignment (Bottom View)

