



LDI P-FP-850-100P

850nm 100mW FP PULSE LASER DIODE MODULES

These laser diode modules are 850nm pulse FP laser-diode coaxial modules with 50 μ m multi-mode fiber pigtailed. These modules are optimal light sources for optical time domain reflectometer (OTDR).

Absolute maximum ratings

LD pulse forward current, I_{fl}	220mA
LD reverse voltage, V_{rl}	2V
PD reverse voltage, V_{rd}	30V
Operating case temperature, T_c :	-20 \div +50 $^{\circ}$ C
Storage temperature, T_{stg}	-30 \div +60 $^{\circ}$ C

Electrical / optical characteristics (SM, T=25 $^{\circ}$ C)

Parameter		Min.	Typ.	Max.	Unit	Test conditions
Wavelength	λ	835	850	860	nm	Pulse*, P=100mW
Threshold current	I_{th}		30	35	mA	CW
Operating current	I_{op}		200		mA	Pulse*, P=100mW
Operating voltage	V_{op}		2	2.1	V	Pulse*, P=100mW
Spectral width	$\Delta\lambda$		1	3	nm	Pulse*, P=100mW, -3dB
Monitoring output current (PD)	I_m	1	0.4	0.8	mA	CW, P=30mW, V_{rd} =5V
Tracking error	E_r^{**}		0.6	0.8	dB	CW, P=30mW, I_m =const, T_c =-20 \div +50 $^{\circ}$ C

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

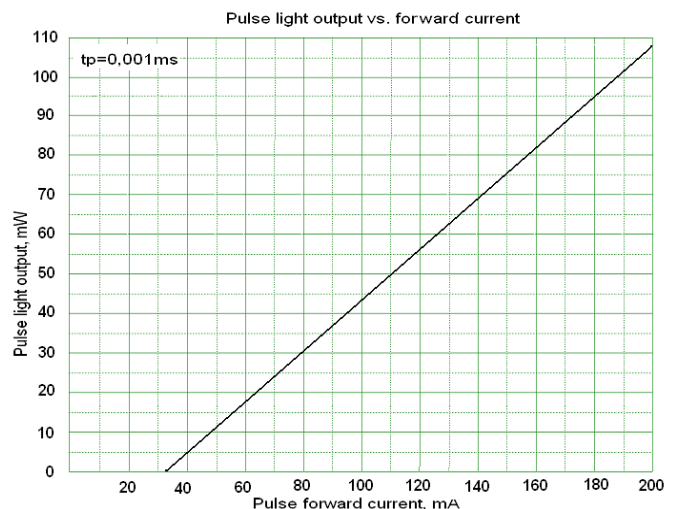
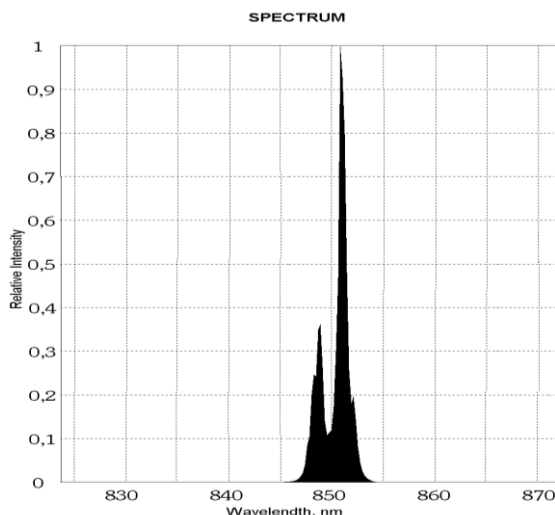
** $E_r = \text{MAX} [10\log (P_r / P_{r25^{\circ}\text{C}})]$

Ordering information

LDI P-FP-850-100P-X-MM(50)-X

Case type: W, H

Connector type: FC/UPC, N – without connector



ATTENTION: ELECTROSTATIC SENSITIVE DEVICES

