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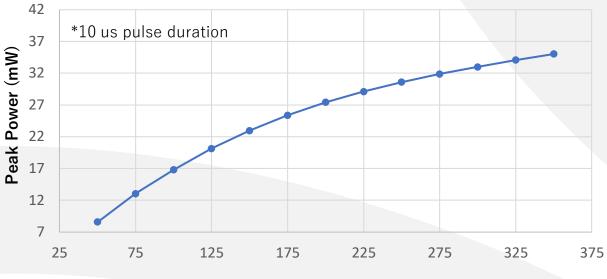
DFB-P-CX

SPECIFICATIONS

ELECTRICAL	Threshold Current	8 mA typ.
	Operating Current	100 mA max.
	Pulse Rise Time	300 ps typ.
	Monitor PD Current	50 uA min., 2 mA max.
	Monitor PD Dard Current	10 nA max.
	Photodiode Capacitance	10 pF min.
	Center Wavelength	1270 nm to 1610 nm
		(See order option for more detail)
	Wavelength Tolerance	+/- 2nm
	Optical Isolation	20 dB
OPTICAL	Optical Output Power (Peak)	30 mW 🖲 10 us pulse
	Laser Linewidth .	D.1 pm max.
	Minimum Pulse Width	3 ns typ.
	Side Mode Suppression Ratio	40 dB typ.
	Relative Intensity Noise	-145 dB/Hz typ.
	Laser Diode Reverse Voltage	2 V
MAXIMUM RATINGS	Laser Diode Forward Current	150 mA
	Monitor PD Reverse Voltage	15 V
	Monitor PD Reverse Current	2 mA
	Operating Temperature	-20 °C to +75 °C
MECHANICAL	Storage Temperature	-40 °C to +85 °C
	Power Supply Voltage	1.2 V typ., 2.0 V max.
	Optical Connectors	FC/APC, Other types available
	Optical Fiber	SMF-28 with 900 um or 3 mm jacket
	Housing	Coaxial with Fiber Pigtail

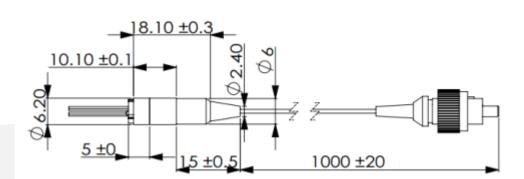


Sample Test Date



Pulse Drive Current (mA)

Mechanical Drawing





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Related Modules

• NPL-CX-M



The Optilab NPL-CX-M is Nanosecond Pulsed CWDM Laser Module with integrated DFB-P-CX. Please see Table 1 for available wavelengths.

• NPL-P

Phoenix Series, Portable



The Optilab NPL-P series is a Nanosecond Pulsed Laser Portable Photonics Instrument (PPI) series in handheld form factor with touchscreen control and intuitive GUI.

ORDERING	DFB-P-C
OPTIONS	

X -xxxx

xxxx Wavelengths: See Table 1

CWDM Wavelengths			
1270nm	1450nm		
1290nm	1470nm		
1310nm	1490nm		
1330nm	1510nm		
1350nm	1530nm		
1370nm	1550nm		
1390nm	1570nm		
1410nm	1590nm		
1430nm	1610nm		

