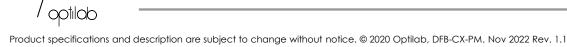


DFB-CX-PM

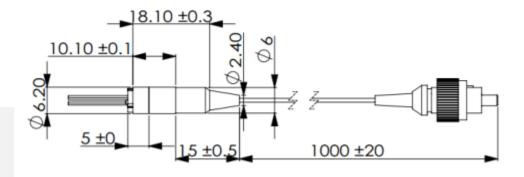
SPECIFICATIONS

ELECTRICAL	Threshold Current	8 mA typ.
	Operating Current	100 mA max.
	Analog Bandwidth	2.5 GHz typ. 30 mA
	Monitor PD Current	50 uA min., 2 mA max.
	Monitor PD Dard Current	10 nA max.
	Photodiode Capacitance	10 pF min.
	RF Passband Flatness	1.0 dB max.
	Noise Power Ratio	40/14 min. @ 25 °C
	Rise/Fall Time	500 ps max. to 3 Gb/s
	Center Wavelength	1270 nm to 1610 nm (See Table 1)
OPTICAL	Wavelength Tolerance	+/- 2nm
	Optical Isolation	20 dB
	Optical Output Power	2, 4, 6, 8 mW.
	Laser Linewidth .	0.1 pm max.
	Side Mode Suppression Ratio	40 dB typ.
	Relative Intensity Noise	-145 dB/Hz typ.
MAXIMUM RATINGS	Laser Diode Reverse Voltage Laser Diode Forward Current Monitor PD Reverse Voltage Monitor PD Reverse Current	2 V 150 mA 15 V 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	PM-PANDA with 900 um jacket
	Housing	Coaxial with Fiber Pigtail





Mechanical Drawing



Module Version

• DFB-XXXX-CX-PM-M



The DFB-XXXX-CX-PM-M is a high-performance integrated laser current and TEC controller, on-board heat sink. Designed specifically for DFB-CX-PM.

Single Mode version

• DFB-CX-XXXX-YY



The DFB-CX is a Single Mode version of CWDM Coaxial DFB-LD for CWDM analog communication



Product specifications and description are subject to change without notice. © 2020 Optilab, DFB-CX-PM. Nov 2022 Rev. 1.1



ORDERING OPTIONS

DFB-CX-PM-xxxx-yy

xxxx Wavelengths: See Table 1

yy Output Power : 2, 4, 6, 8 mW

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

