



DFB-CX-PM-M

CWDM DFB Laser Source Module, 18 Channels, Polarization Maintaining 10mW output, TEC Control

- 分散フィードバック (DFB) 偏波です。
- CWDM同軸レーザーダイオード用に設計されたメンテナンス (PM) レーザー光源モジュールです。
- 一定の波長と電力を確保するように制御されます。
- お客様は、RS-485ポートとUSBを活用PCにてレーザー駆動電流、波長を制御できます。
- 18波長、1270nm-1670nmを取り揃えております。



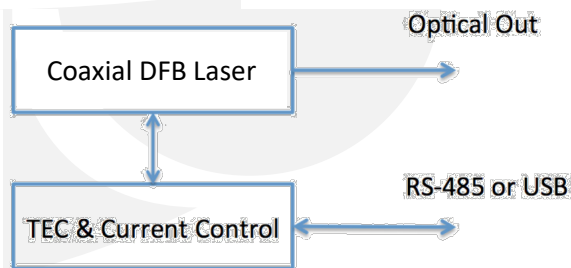
FEATURES

- Polarization Maintaining (PM) output
- Up to 10 mW output
- 18 wavelengths available, 1270nm ~ 1610nm
- Wavelength stability to +/- 10 pm
- RS-485 or USB interface
- Wavelength tuning range: +/- 1 nm

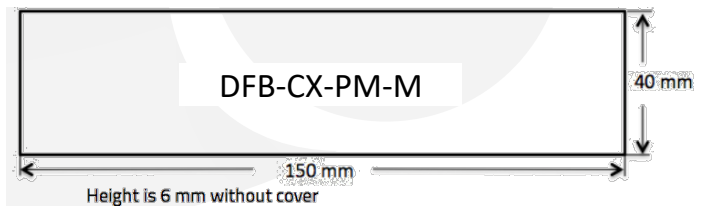
APPLICATIONS

- External Light source
- CWDM networks
- Laboratory testing and measurement
- HFC fiber link

FUNCTION DIAGRAM



MECHANICAL DRAWING AND PIN OUT



SPECIFICATIONS

GENERAL

Available Wavelength Range

1270nm ~ 1610nm
(See ordering option)

Wavelength Accuracy

Within ±50 pm

Output Power Level

5 mW, 8mW, 10 mW

Output Power Stability

±0.2 dB over 8 hours

Wavelength Stability

±20 pm over 8 hours

Laser Linewidth

2 MHz typ

Side Mode Suppression Ratio

40 dB min.

Optical Isolation

30 dB typ.

Relative Intensity Noise (RIN)

-145 dB/Hz typ

Polarization Extinction Ratio

20 dB typ.

DFB Wavelength Tuning

±1 nm (from wavelength center)

Operating Temperature

+10°C to +50°C

Operating Temperature (TQ Version)

-55°C to +70°C

Storage Temperature

-65°C to +85°C

Operating Humidity

0% to 85% Relative Humidity

Power Supply

5 V DC, 500 mA

Power Consumption

5 W max.

Dimensions

130 x 49.50 x 21 mm

Control/Monitoring

LD Current, Laser Wavelength

Remote Control

RS-485 or USB

Optical Connectors

FC/APC; Other options are available

Optical Fiber Type

PANDA for PM Output

Accessories included

USB cable, power supply

MECHANICAL



詳しい問い合わせ：有限会社アミスター
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ORDERING
OPTIONS

DFB-CX-PM-M-xxxx-yy

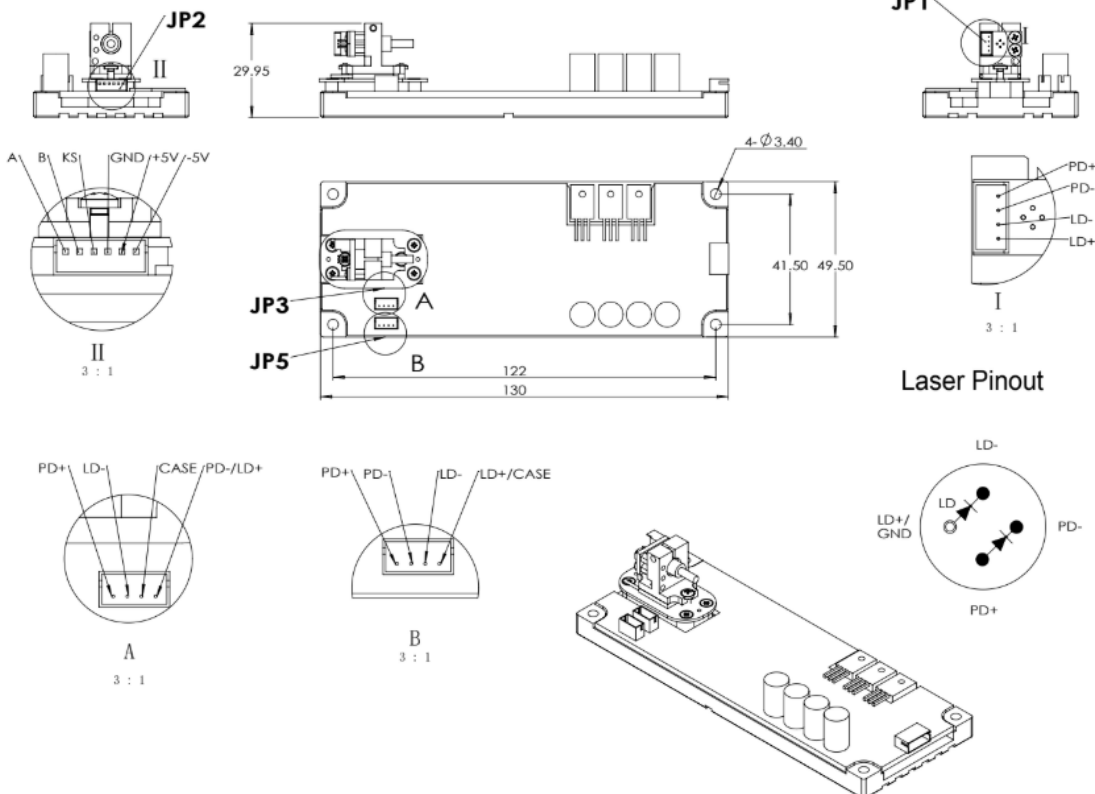
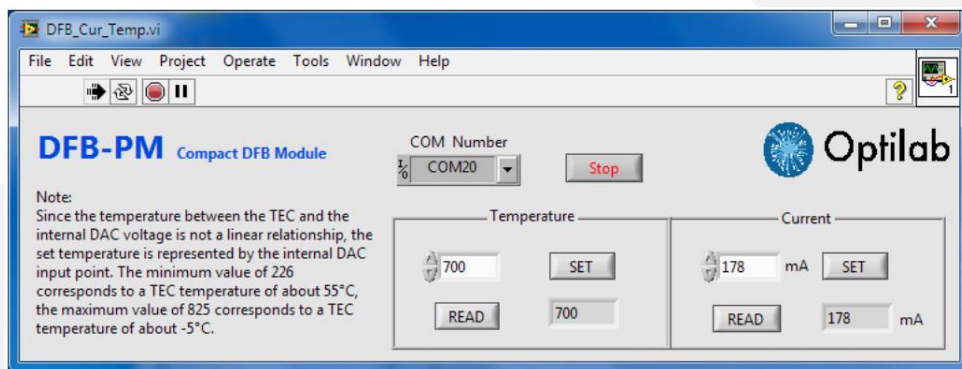
xxxx Wavelengths: 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 nm
yy Output Power : 5, 8, 10 mW

CWDM Wavelengths

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

REMOTE LABVIEW INTERFACE

Optilab offers remote interface via Labview software, for parameter adjustment and status monitoring, contact Optilab for more details.



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