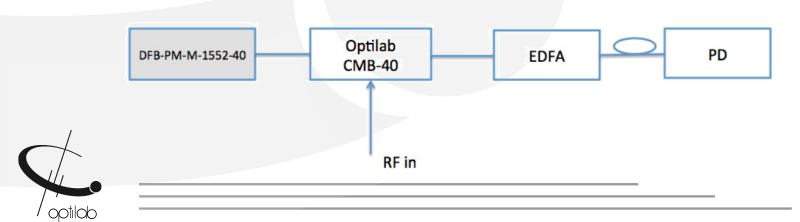




•		0-band: 1290-1350 nm
SPECIFICATIONS	Available Wavelength Range	C-band: 1528-1564 nm
		See attached Table 1.0
	Wavelength Accuracy	Within ±50 pm
	Output Power Level	10 mW, 20mW, 30 mW, 40 mW
GENERAL	Output Power Stability	±0.2 dB over 8 hours
	Wavelength Stability	±10 pm over 8 hours
	Laser Linewidth	2 MHz typ. 500 KHz available
	Side Mode Suppression Ratio	4D dB min.
	Optical Isolation	30 dB typ.
	Relative Intensity Noise (RIN)	-145 dB/Hz min., -155 dB/Hz available
	Polarization Extinction Ratio	20 dB typ.
ADJUSTABLE FEATURES	DFB Power Output	10-100% adjustable range
AND OUTPUT	DFB Wavelength Tuning	±1.5 nm (from wavelength center)
AND OUTPUT	Operating Temperature	+10°C to +50°C
AND OUTPUT	Operating Temperature Operating Temperature (TQ Version)	+10°C to +50°C -55°C to +70°C
AND OUTPUT	Operating Temperature Operating Temperature (TQ Version) Storage Temperature	+10°C to +50°C -55°C to +70°C -65°C to +85°C
AND OUTPUT	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity
AND OUTPUT	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity 5 V DC, 500 mA
AND OUTPUT	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply Power Consumption	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity
	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity 5 V DC, 500 mA 5 W max.
	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply Power Consumption Dimensions	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity 5 V DC, 500 mA 5 W max. 130 x 49.50 x 21 mm
	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply Power Consumption Dimensions Control/Monitoring	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity 5 V DC, 500 mA 5 W max. 130 x 49.50 x 21 mm LD Current, Laser Wavelength
	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply Power Consumption Dimensions Control/Monitoring Remote Control	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity 5 V DC, 500 mA 5 W max. 130 x 49.50 x 21 mm LD Current, Laser Wavelength RS-485 or USB
	Operating Temperature Operating Temperature (TQ Version) Storage Temperature Operating Humidity Power Supply Power Consumption Dimensions Control/Monitoring Remote Control Optical Connectors	+10°C to +50°C -55°C to +70°C -65°C to +85°C 0% to 85% Relative Humidity 5 V DC, 500 mA 5 W max. 130 x 49.50 x 21 mm LD Current, Laser Wavelength RS-485 or USB FC/APC; Other options are available

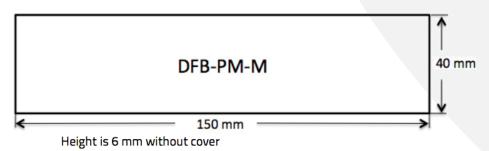
### APPLICATION EXAMPLE FOR 40G RFoF ANALOG LINK



Product specifications and description are subject to change without notice. © 2022 Optilab, LLC. DFB-PM-M Aug 2022 Rev. 1.2



# MECHANICAL DRAWING AND PIN OUT



### TABLE 1.0 AVAILABLE DFB-PM WAVELENGTHS FOR O-BAND AND C-BAND

O-BAND

C-BAND

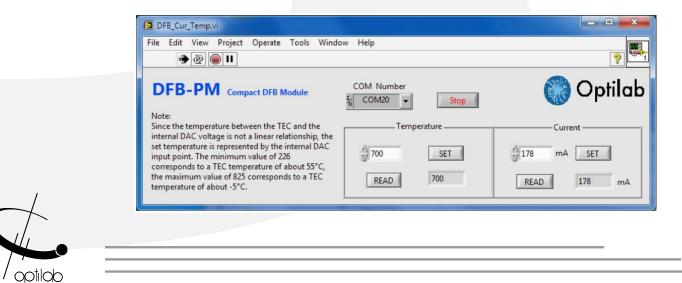
L-BAND

L-band wavelength is available upon request.

Wave	elength
129	0 nm
131	0 nm
133	0 nm
135	i0 nm

### REMOTE LABVIEW INTERFACE

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





## DETAILED MECHANICAL DRAWING

