

Edge Wavelength Division Multiplexer 1310 / CWDM

Application:

CWDM System - Mux / DeMux of 1310nm



Features:

Telcordia GR-1221 Compliant

Epoxy-Free Optical Path

Low Insertion Loss

Low PDL

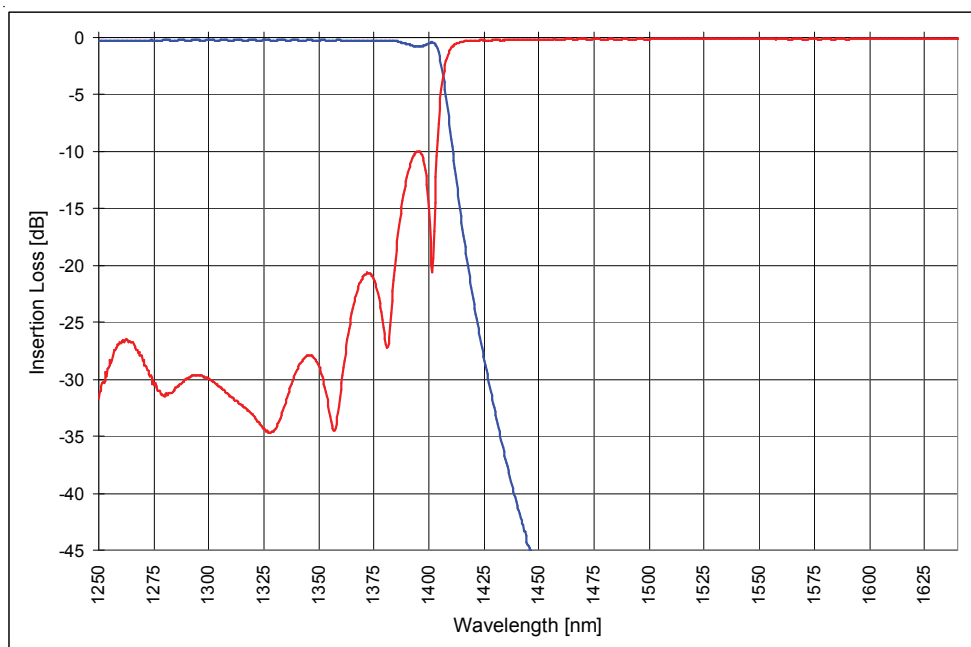
Exceptionally Stable and Reliable

Flat and Wide Passband

Description:

Go!Foton's Edge WDM 1310/CWDM are designed for multiplexing or demultiplexing of 1310nm and Long-band 8-channel CWDM signals. These versatile, mux / demux products are Thin-Film-Filter based and are using Go!Foton's patented SELMUX™ packaging technology. This proven technology produces high quality 3-port devices with low PDL, low insertion loss and stable environmental performance. Go!Foton's Edge WDM 1310 / CWDM products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

Wavelength Spectrum:

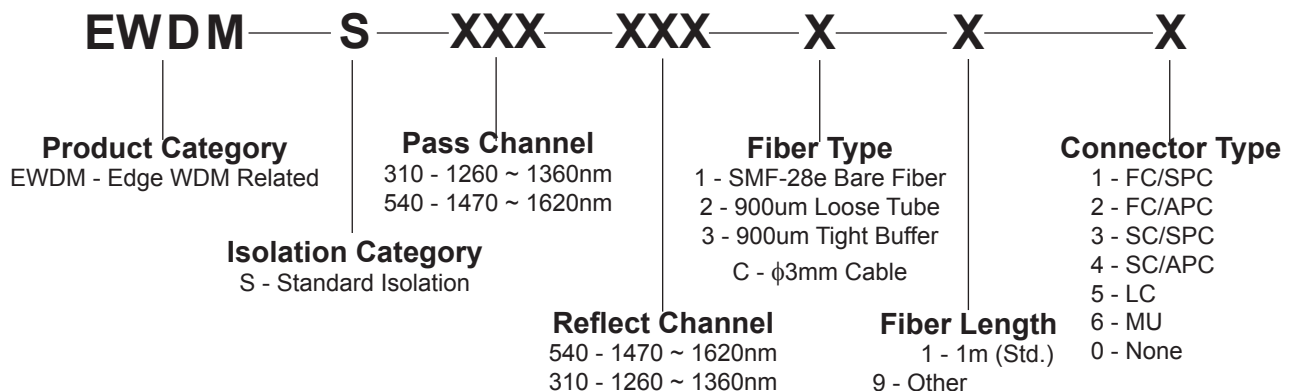


Specifications:

Parameters		Port	Specification
Operating Wavelength (nm)		Com	1260 ~ 1360 1460 ~ 1620
Type 1 (Short Wavelength Pass)			
Pass Channel Wavelength λ_1 (nm)		Com → P3	1260 ~ 1360
Reflect Channel Wavelength λ_2 (nm)		Com → P2	1460 ~ 1620
Type 2 (Long Wavelength Pass)			
Pass Channel Wavelength λ_1 (nm)		Com → P3	1460 ~ 1620
Reflect Channel Wavelength λ_2 (nm)		Com → P2	1260 ~ 1360
Insertion Loss	Pass @ λ_1 (dB)	Com → P3	<1.0
	Reflect @ λ_2 (dB)	Com → P2	<1.0
Wavelength Ripple	Pass @ λ_1 (dB)	Com → P3	<0.5
	Reflect @ λ_2 (dB)	Com → P2	<0.5
Polarization Dependent Loss (dB)		-	<0.2
Isolation	Pass @ λ_2 (dB)	Com → P3	>40
	Reflect @ λ_1 (dB)	Com → P2	>20
Directivity (dB)		P2 ↔ P3	<50
Return Loss (dB)		All	>45
Optical Power Handling (mW)		-	<300
Operating Temperature Range (°C)		-	0 to +70
Storage Temperature Range (°C)		-	-40 to +85
Fiber Type		All	SMF-28e or equivalent
Package Size (mm)		-	250 μ m or 900 μ m (Φ)5.5 x (L)40 3mm Cable: (L)80 x (W)12 x (H)7

All specifications are without fiber connectors

Ordering Information:



Example: EWDM - S - 310 - 540 - 1 - 1 - 6
EWDM, Standard Isolation, 1260 ~ 1360 Pass, 1470 ~ 1620 Reflect, SMF-28e Bare Fiber, 1 Meter Long with MU Connector

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