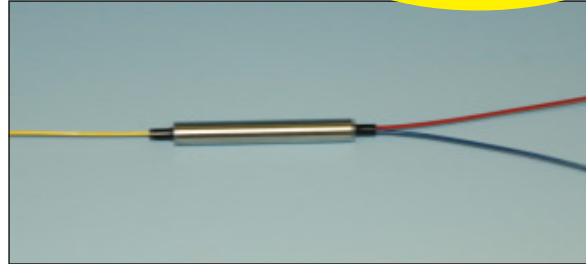


# Edge Wavelength Division Multiplexer; B-PON / G-PON / FTTP

**A SELMUX™  
Design**

## Applications:

B-PON / G-PON  
Fiber-to-the-Premise



## Features:

Telcordia GR-1221 Compliant  
Low Insertion Loss  
RoHS Compliant (Lead Free)

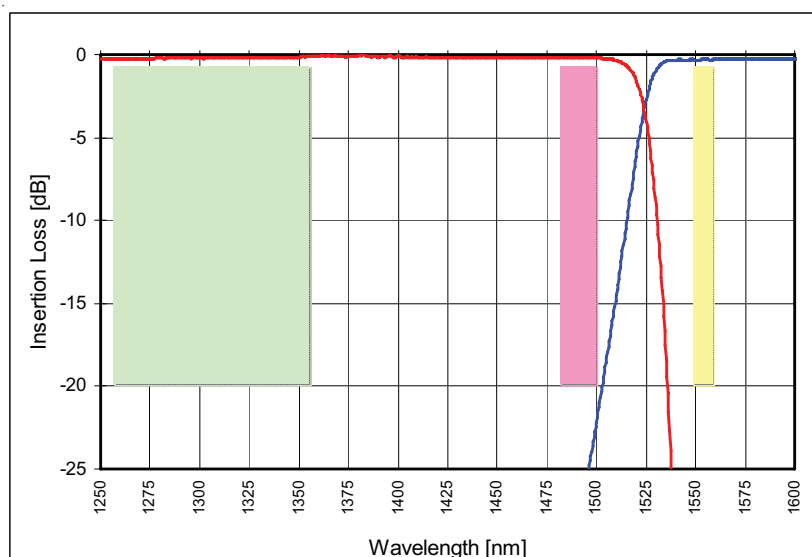
Epoxy-Free Optical Path  
Low PDL

Flat and Wide Passband  
Exceptionally Stable and Reliable

## Description:

Go!Foton's B-PON/FTTP Coupler is ideal for FTTx and B-PON / G-PON applications. This coupler is based on SELMUX™ patented technology which optimizes glass, epoxy and Filter-on-Lens (FOL) technologies to create a high quality 3-port EWDM device with low PDL, low insertion loss and stable environmental performance. Go!Foton's SELMUX series are all epoxy-free in the optical path and are completely lead free that comply with RoHS 6/6.

## Wavelength Spectrum:

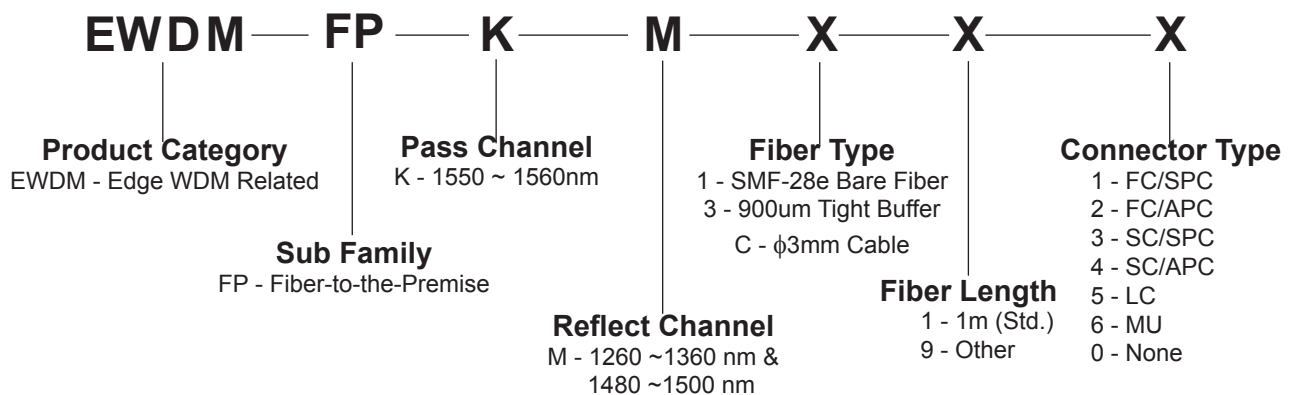


## Specifications:

Parameters		Port	Specification
Pass Channel Wavelength ( $\lambda_1$ in nm)		P1 → P3	1550 ~ 1560
Reflect Channel Wavelength ( $\lambda_2$ in nm)		P1 → P2	1260 ~ 1360 1480 ~ 1500
Insertion Loss	Pass @ $\lambda_1$ (dB)	P1 → P3	<0.6
	Ref @ $\lambda_2$ (dB)	P1 → P2	<0.6
Wavelength Ripple	Pass Channel (dB)	P1 → P3	<0.3
	Ref Channel (dB)	P1 → P2	<0.3
PDL (dB)			<0.2
Isolation	Pass Channel (dB)	P1 → P3	>20
	Ref Channel (dB)	P1 → P2	>20
PMD (ps)			<0.25
Optical Return Loss (dB)			>50
Directivity (dB)			>50
Optical Power Handling (mW)			<500
Operating Temperature Range (°C)			-40 ~ +85
Storage Temperature Range (°C)			-40 ~ +85
Fiber Type		SMF-28e or Equivalent	
Fiber Length (m)		>1.0 (Standard)	
Connector		None	
Package Size (mm)		250 $\mu$ m or 900 $\mu$ m ( $\phi$ )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 - FP - K - M - 1 - 1 - 4

EWDM, Fiber to the Premise, 1550 ~ 1560 Pass Channel, Reflect Channel 1260 ~ 1360 and 1480 ~ 1500, SMF-28e Bare Fiber, 1 Meter Long with SC/APC Connector

GF-S-MKT-EWD1-REV7-09-09