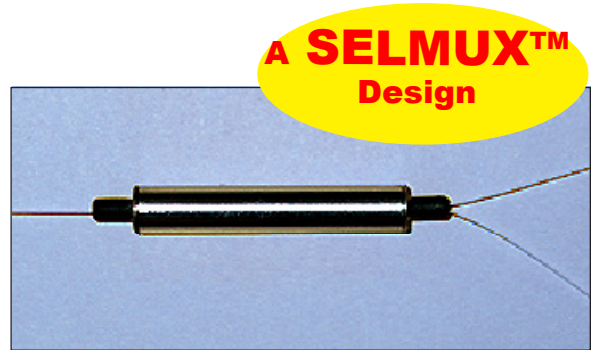


High Isolation Couplers for B-PON / E-PON

Applications:

FTTx
B-PON
E-PON / Ge-PON
G-PON



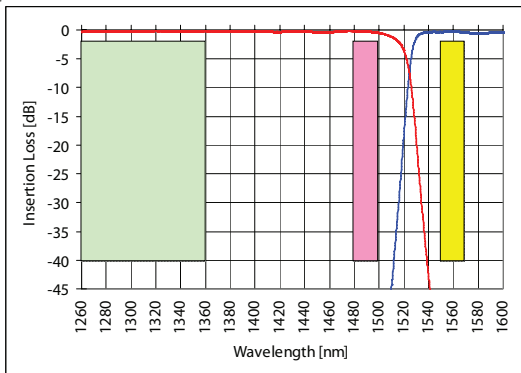
Features:

ITU Recommended Wavelength Grid	Flat and Wide Passband	Epoxy-Free Optical Path
High Isolation	Low PDL	Exceptionally Stable and Reliable
Low Insertion Loss	RoHS Compliant (Lead Free)	Telcordia GR-1221 UCO Compliant

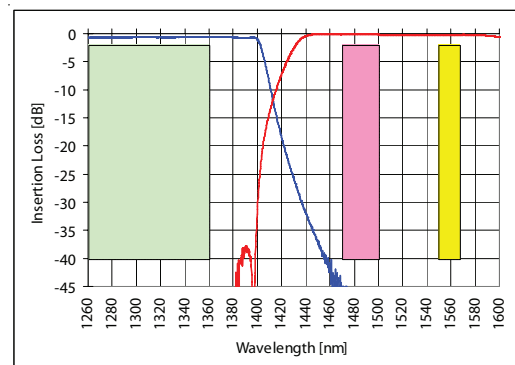
Description:

Go!Foton's High Isolation Coupler is ideal for FTTx and B-PON / G-PON applications. This coupler is based on Go!Foton's new SELMUX™ patented technology which optimizes glass, epoxy and Filter-on-Lens (FOL) technologies to create integrated couplers with high isolation in a compact size. Because of this revolutionary technology, Go!Foton's High Isolation Couplers are one of the smallest packaging sizes available in the market today. All SELMUX products have eliminated soldering in the manufacturing process so they are completely lead free and comply with EU directives on Restriction of Hazardous Substances or RoHS.

Wavelength Spectrum:



Model 1



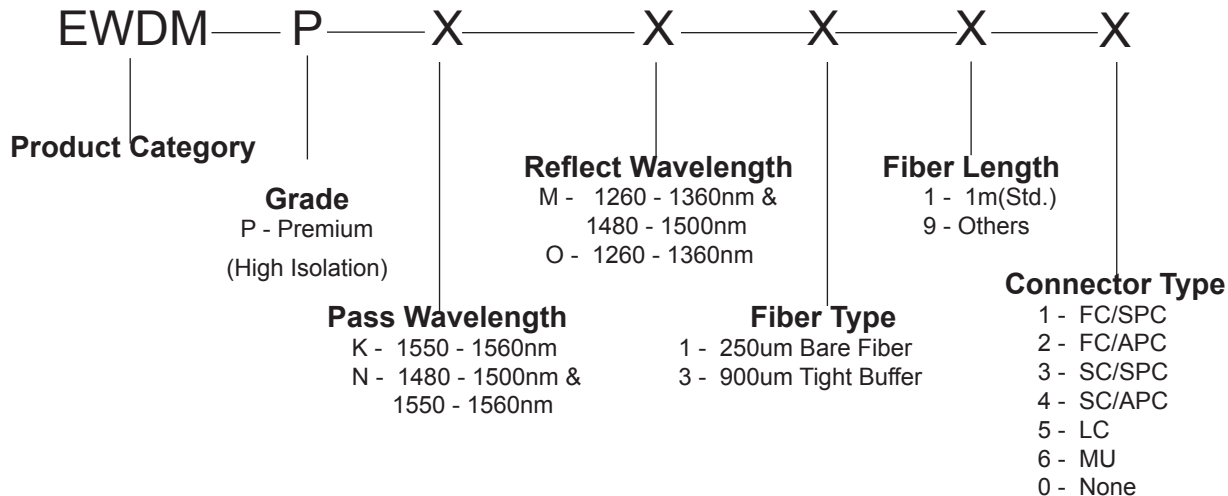
Model 2

Specifications:

Parameters	Ports	Min	Max
Model 1:			
Pass Channel Wavelength (λ_1 in nm)	(1) → (3)	1550	1560
Reflect Channel Wavelength (λ_2 in nm)	(1) → (2)	1260	1360
Reflect Channel Wavelength (λ_2 in nm)	(1) → (2)	1480	1500
Model 2:			
Pass Channel Wavelength (λ_1 in nm)	(1) → (3)	1480	1500
Pass Channel Wavelength (λ_1 in nm)	(1) → (3)	1550	1560
Reflect Channel Wavelength (λ_2 in nm)	(1) → (2)	1260	1360
Model 1 and Model 2			
Insertion Loss	Pass @ λ_1 (dB)	(1) → (3)	1.5
	Ref @ λ_2 (dB)	(1) → (2)	1.5
Isolation	Pass @ λ_2 (dB)	(1) → (3)	40
	Ref @ λ_1 (dB)	(1) → (2)	40
Ripple	Pass Channel (dB)		0.5
	Ref Channel (dB)		0.5
Directivity (dB)		50	
Optical Return Loss (dB)		45	
Polarization Dependent Loss (dB)			0.2
Maximum Power Handling (mW)			300
Operating Temperature Range (°C)		0	75
Storage Temperature Range (°C)		-40	85
Fiber Type	SMF-28e or Equivalent		
Fiber Length (m)	>1.0		
Package Size (mm)	(ϕ)5.5 x (L)40		

All specifications are without fiber connectors.

Ordering Information:



Example: EWDM - P - K - M - 1 - 1 - 0

EWDM, Premium Grade for High Isolation, Pass 1550 - 1560nm, Reflect 1260 - 1360nm & 1480 - 15nm, SMF-28e 250um Bare Fiber, 1m, No Connectors

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