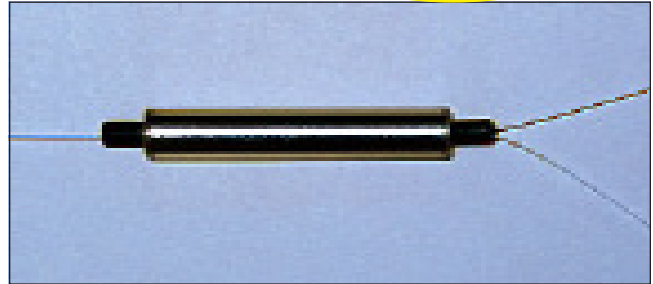


Coarse Wavelength Division Multiplexer (CWDM) 1x2 Single Channel

**A SELMUX™
Design**

Applications:

CWDM Systems
Metro/Access Network
Enterprise Networks
CATV Fiber Optic Links



Features:

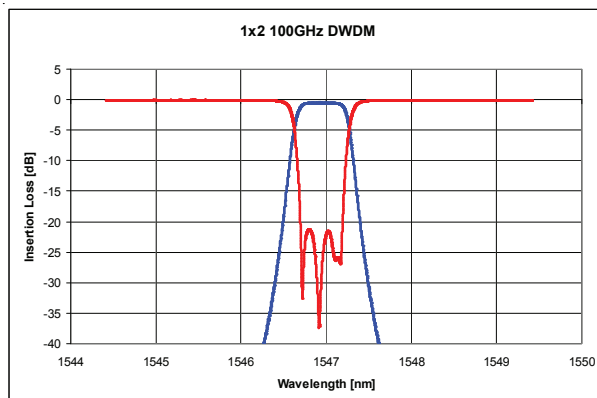
RoHS 6/6 Compliant	Flat and Wide Passband	Exceptionally Stable and Reliable
Low Insertion Loss	Low Polarization Dependent Loss	Telcordia GR-1221 Compliant
High Channel Isolation	Epoxy-Free Optical Path	Thin-Film-Filter(TFF) Based

Description:

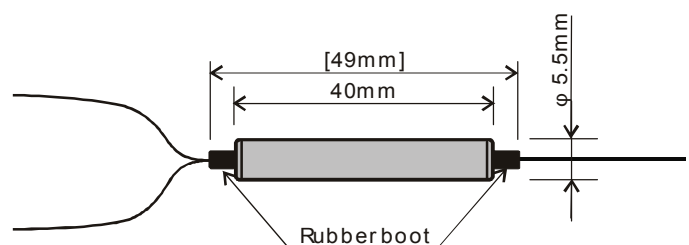
Based on Go!Foton's patented technology, SELMUX™ series is introduced to cover all TFF-based components using an all-glass platform for improved performance, such as lower insertion loss and higher thermal stability, with a competitive cost structure. Because of its high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's Coarse Wavelength Division Multiplexer (CWDM), is based on its unique TFF SELMUX technology that provides a high quality 3-port CWDM with high channel isolation, low polarization dependent loss, flat and wide passband, and stable environmental performance. Go!Foton's TFF SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

Wavelength Spectrum:



Dimensions:



Specifications:

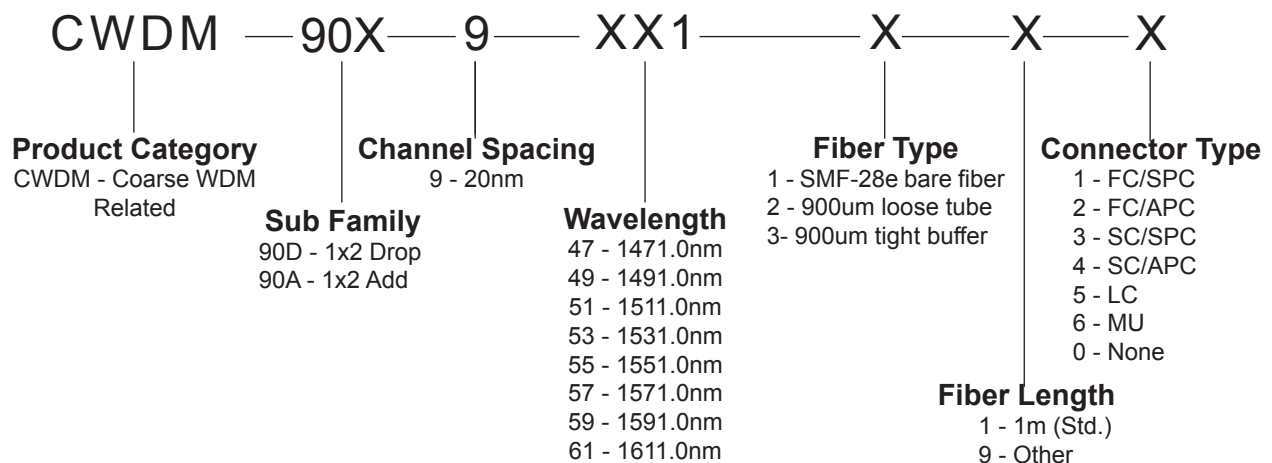
Center Wavelength (λ_c in nm)	1471.0, 1491.0 1511.0 1531.0 1551.0, 1571.0 1591.0 1611.0
Operating Wavelength Range (nm)	1460 ~ 1620
Passband Bandwidth (nm)	$\lambda_c \pm 6.5$
Add/Drop Channel Insertion Loss (dB)	<1.0
Express Channel Insertion Loss (dB)	<0.6
Add/Drop Channel Ripple (dB)	<0.5
Add/Drop Channel Isolation (dB)	
Add Module	
Adjacent Ch.	>15
Non-Adjacent Ch.	>25
Drop Module	
Adjacent Ch.	>30
Non-Adjacent Ch.	>45
Express Channel Isolation (dB)	>12
Polarization Dependent Loss (dB)	<0.1
Optical Return Loss (dB)	>45
Directivity (dB)	>55
Optical Power Handling (mW)	<500
Operating Temperature Range (°C)	0 to 70
Storage Temperature Range (°C)	-40 to 85
Fiber Type	SMF-28e or Equivalent
Standard Fiber Length (m)	> 1.0 (Standard)
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.

* Center Wavelength in Shortband (1270, 1290, 1310... or 1271, 1291, 1311..) are available upon request.

* LGX Box / 19' Rack Packaging option is available upon request.

Ordering Information:



Example: CWDM-90D-9-531-1-2-0

CWDM 1x2 Single Channel Drop, 1531nm, 250um Bare Fiber, 2m, No Connector

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