

# Dense Wavelength Division Multiplexer (DWDM) 100 GHz Spacing, Single Channel 1x2 Single Channel

## Applications:

Dense WDM Systems  
Long Haul Network  
Metro Network  
CATV Fiber Optic Links  
Access / Enterprise Networks

**A SELMUX™  
Design**



## Features:

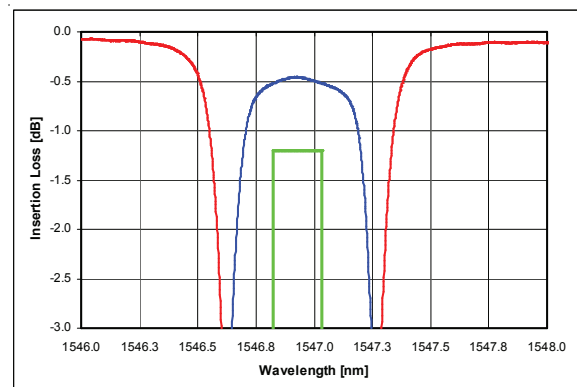
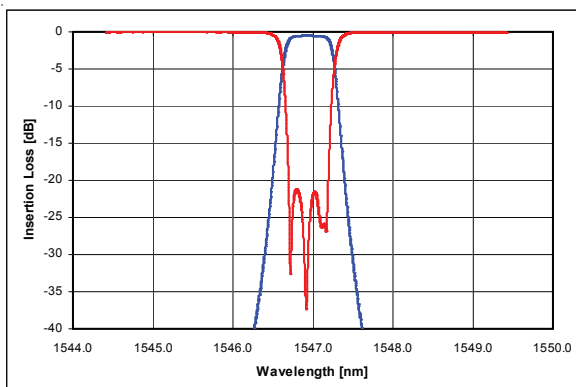
RoHS 6/6 Compliant	Flat and Wide Passband	Exceptionally Stable and Reliable
Low Insertion Loss	Low Polarization Dependent Loss	Telcordia GR-1221 Compliant
High Channel Isolation	Epoxy-Free Optical Path	Thin-Film-Filter based

## 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 DWDMs, are based on Go!Foton's patent pending technology. This technology puts Go!Foton as one of only a few companies with a unique process for tuning the center wavelength in the DWDM spectrum. Based on NSG's unique SELFOC technology, the process eliminates the severe manufacturing burdens placed on the thin film filter, thus simplifying center wavelength tolerances and reducing cost. Go!Foton's SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

## Wavelength Spectrum:

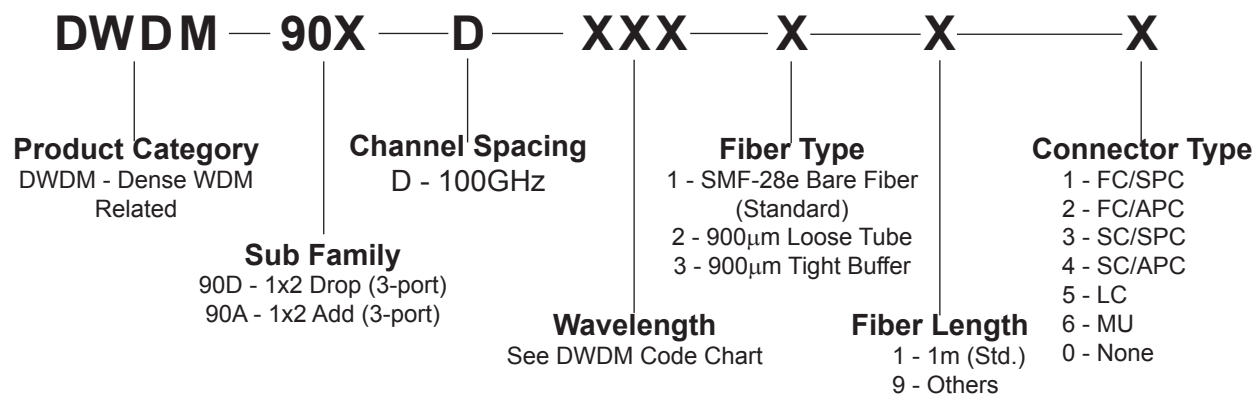


## Specifications:

Wavelength Range	ITU
Passband Width (GHz)	+/- 12.5
Transmission Channel Insertion Loss (dB)	<1.2
Passband Ripple (dB)	<0.5
Express Channel Insertion Loss (dB)	<0.4
Express Channel Ripple (dB)	<0.2
Transmission Channel Isolation - adjacent (dB)	>25
Transmission Channel Isolation - non-adjacent (dB)	>45
Express Channel Isolation(dB)	>12
Polarization Dependent Loss (dB)	<0.20
Polarization Mode Dispersion (ps)	<0.20
Directivity (dB)	>45
Return Loss (dB)	>45
Optical Power Handling (mW)	<500
Operating Temperature Range (°C)	0 to +75
Storage Temperature Range (°C)	-40 to +85
Fiber Type	SMF-28e or Equivalent
Standard Fiber Length (m)	>1.0
Package Size (mm)	250µm or 900µm: (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:** DWDM - 90D-D-C49-1-1-0  
DWDM 100GHz Spacing, 1538.19nm, SMF-28e 250um Bare Fiber, 1m, No Connector

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