

# Dense Wavelength Division Multiplexer (DWDM) 100 GHz Spacing, Multi-Channel, 4ch, 8ch & 16ch

# **Applications:**

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



#### **Features:**

RoHS 6/6 Compliant Low Insertion Loss High Channel Isolation

Flat and Wide Passband Low Polarization Dependent Loss Epoxy-Free Optical Path Exceptionally Stable and Reliable Telcordia GR-1221 Compliant Thin-Film-Filter based

# **Description:**

Based on Go!Foton's patented technology, SELMUX<sup>TM</sup> 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 it's high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's DWDMs, are based on NSG'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:**

Channel #	4	8	16
Wavelength Range		ITU	
Passband Width (GHz)		+/- 12.5	
Insertion Loss (dB)	<2.6	<3.6	<5.8
Passband Ripple (dB)		< 0.5	
Isolation - adjacent (dB)		>25	
Isolation - non-adjacent (dB)	>45		
Polarization Dependent Loss (dB)	<0.20		
Polarization Mode Dispersion (ps)	<0.20		
Directivity (dB)	>50		
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); 4ch and 8ch	(L) 120 x (W) 90 x (H) 8		
; 16ch	(L) 120 x (W) 90 x (H) 15		

#### All specifications are without fiber connectors

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

## **Ordering Information:**



#### Example: DWDM-01X-D-C60-C57-3-1-3

DWDM 100 GHz Spacing, 1529.55, 1530.33, 1531.12 and 1531.90nm, SMF-28e 900um Tight Buffer, 1m with SC/SPC Connector on all ports.

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