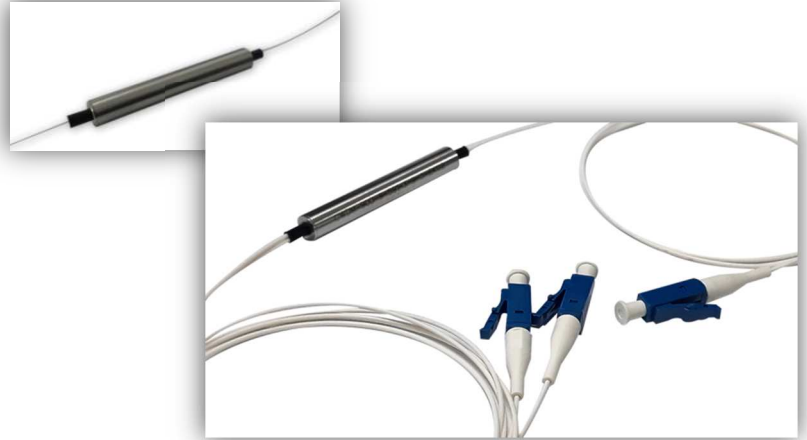


## FEATURES:

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



## APPLICATIONS:

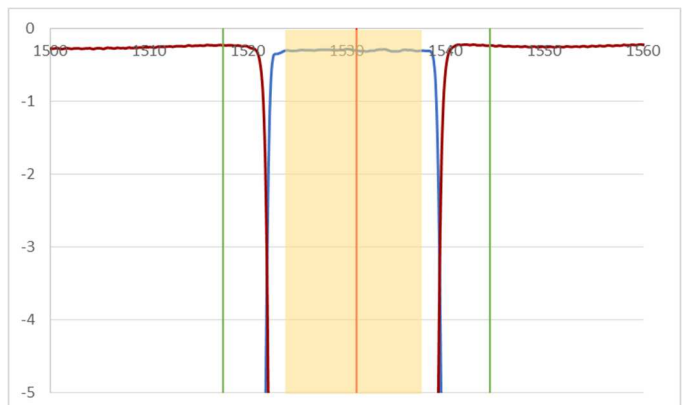
- Coarse WDM Systems
- Metro Access Networks
- CATV Fiber Optic Links
- Access/ Enterprise Networks

## 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 Multiplexing (CWDM), is based on Go!Foton's unique TFF SELMUX technology that provides a high quality CDWM device with high channel isolation, low polarization dependent loss, flat and wide passband, and stable environmental performance.

## WAVELENGTH SPECTRUM:



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## SPECIFICATION:

The products supplied to this specification shall meet or exceed all the requirements specified herein.

### A. OPTICAL AND ELECTRICAL CHARACTERISTICS

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION
Operating Wavelength Range	nm	WL	All	1260~1620
Center Wavelength	nm	$\lambda_c$	-	1271, 1291, 1311, 1331, 1351, 1371, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Passband Width	nm	PB	-	$\lambda_c \pm 6.5$
Channel Spacing	nm	S	-	20
Pass Channel Insertion Loss	dB	IL <sub>P</sub>	P1→P3	≤1.0
Reflection Channel Insertion Loss	dB	IL <sub>R</sub>	P1→P2	≤0.60
Wavelength Dependent Loss	dB	WDL	All	≤0.50
Pass Channel Isolation- Adjacent	dB	ISO <sub>Adj</sub>	P1→P3	≥30
Pass Channel Isolation- Non-Adjacent	dB	ISO <sub>NAdj</sub>	P1→P3	≥45
Reflection Channel Isolation	dB	ISO <sub>R</sub>	P1→P2	≥12
Polarization Dependent Loss	dB	PDL	All	≤0.20
Return Loss	dB	RL	All	≥50
Directivity	dB	Dir	P2↔P3	≥50
Maximum Optical Power Handling	mW	-	All	500
Operating Temperature	°C	-	All	-40~+85
Operating Humidity Range (No Condensation)	%RH	-	All	+5~+85
Storage Temperature Range	°C	-	All	-40~+85

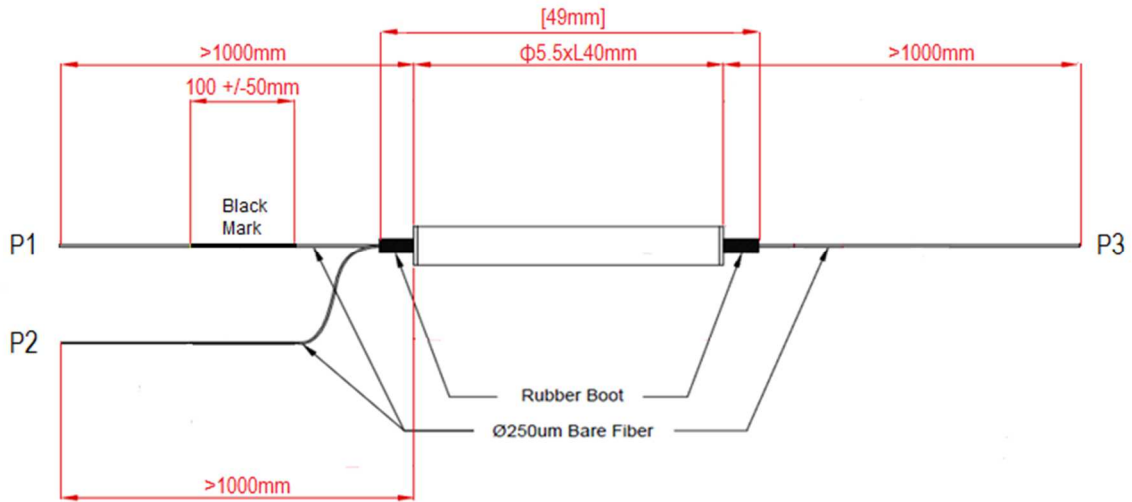
All specifications are with connectors.

### B. MECHANICAL SPECIFICATIONS

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION
Fiber Type <sup>1</sup>	-	FT	All	ITU G657A2/B2 and G652D Compliant Fiber
Fiber Length <sup>2</sup>	mm	FL	All	<b>No Connector</b>
				<b>With Connector</b>
				>1000
				1000 +/-100
Fiber Protection <sup>3</sup>	-	FP	All	Ø250um Bare Fiber
Port Identification	-	PI	P1	Black Mark (100 +/-50mm)
			P2	None
			P3	None
Package Size (Cylindrical Metal Housing) <sup>4</sup>	mm	PS	-	Ø5.5xL40[49]

<sup>1/2/3/4</sup> -- See ordering information. Connector termination is available upon request.

## C. PACKAGE DIMENSIONS



Note: Sample Illustration only.

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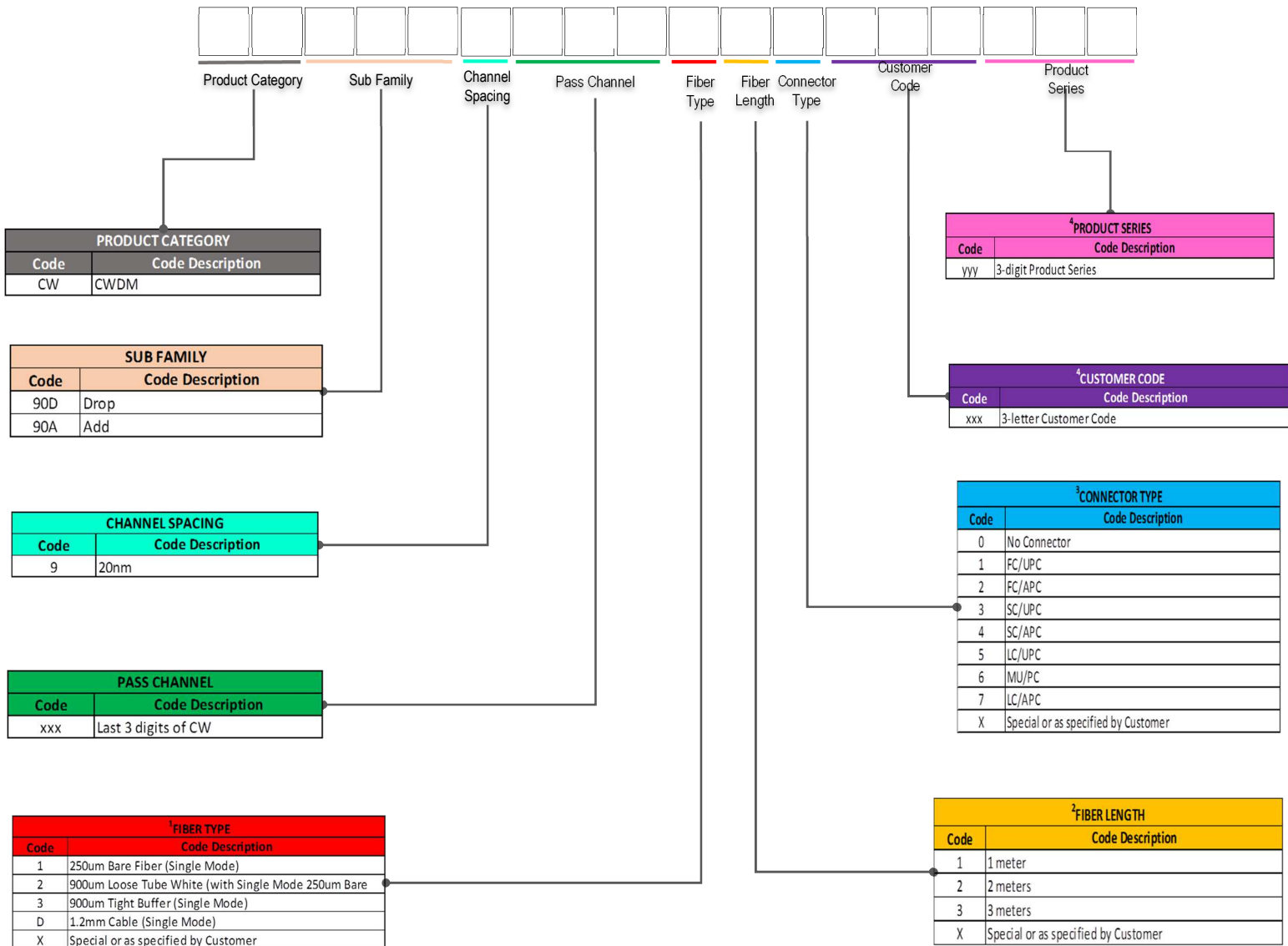
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## ORDERING INFORMATION:



### Notes:

<sup>1</sup> Standard Fiber Type is ITU-T G657.A2/B2 and G652.D Compliant Single Mode Fiber.

<sup>1</sup> Standard Package Size is OD5.5mm x L40[49]mm for Fiber Type 1~3. For 1.2mm cable, Package Size is OD3.2mm x L65[75]mm.

<sup>2</sup> Fiber length tolerance is +/-0.1 meter for products with connector termination.

<sup>3</sup> All ports are with connector of the same type.

<sup>4</sup> Only applicable for products which are not covered by the Standard Specification.

**EXAMPLE:** CW90D9551310

CWDM, 3PM, 20nm, 1551, 900um Tight Buffer, 1 meter length, no connector on all ports.

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