

## DWDM Fiber Bragg Gratings

### Product Description:

DWDM fiber Bragg gratings gain more attentions for its add-drop application in the fiber network due to its flat-top, low dispersion spectral response and high isolation. Among these, sampled fiber Bragg gratings which can generate a multiple channel reflection spectrum are especially attractive for dense wavelength-division-multiplexing (DWDM) applications. Precision Micro-Optics offers high quality 50GHz and 100GHz with high isolation. The temperature compensated athermal package has improved the thermal stability.

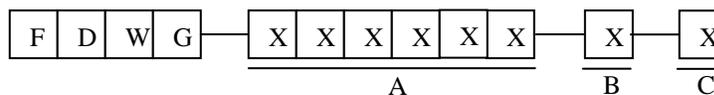


Figure 1: A typical 100GHz DWDM fiber Bragg grating reflective curve.

### Specifications:

Wavelength Range	1520 ~1625nm
Center Wavelength	ITU Grid
Center Wavelength Tolerance	±0.05nm
Reflection bandwidth @ 25dB	< 0.8nm for 100GHz spacing
Reflection bandwidth @ 25dB	< 0.4nm for 50GHz spacing
Isolation	> 25dB
Fiber Length	1.5 meters
Athermal Package Dimensions	7.3mm(φ)X54mm(L)

### Ordering Information:



A	ITU Grid Wavelength	155012 = 1550.12nm
		XXXXXX = ITU Grid Wavelength

<b>B</b>	<b>Channel Spacing</b>	<b>1 = 50GHz</b>
		<b>2 = 100GHz</b>
		<b>0 = Special</b>
<b>C</b>	<b>Connector</b>	<b>1 = FC/PC</b>
		<b>2 = FC/APC</b>
		<b>3 = SC/PC</b>
		<b>4 = SC/APC</b>
		<b>5 = LC/PC</b>
		<b>0 = Special</b>