

[OEWDM-XXX]

## DWDM-FBG Fiber Bragg Gratings (12.5/25/50/100/200 GHz)

### Features:

- Best specifications available in the industry
- Centre wavelength on ITU grid, or customer specified
- SM or PM-fibers
- Connector: FC-SC-LC/PC; FC-SC-LC /APC
- Different packages available
- Cost effective

### Applications:

- Add / Drop filters
- Multiplexer / Demultiplexer
- WDM based FBG sensing
- etc.

### Product description:

The DWDM-FBG Fiber Bragg Grating filters have gained more attention because of their flat top and steep spectrum slope. With our unique apodization mask technology and our world class FBG writing technology, DWDM fiber grating filters have been made with more than 40 dB isolation and with a bandwidth of less than 0.8 nm (100 GHz), 0.4 nm (50 GHz), 0.2 nm (25 GHz) and 0.1 nm (12.5 GHz) at -25dB. Our high quality DWDM fiber grating filter is the best in the industry and shows that it is ideal for all DWDM system applications.

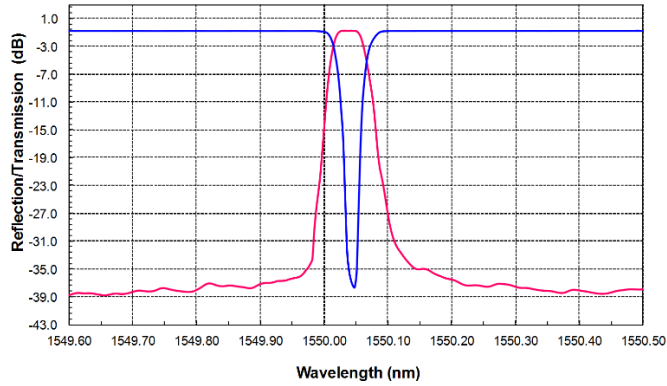
Model Number	Channel Spacing
OEWDM-012	12.5 GHz
OEWDM-025	25 GHz
OEWDM-050	50 GHz
OEWDM-100	100 GHz
OEWDM-200	200 GHz

### Specifications:

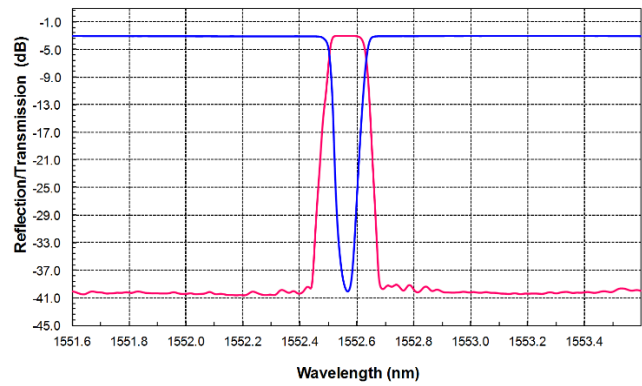
Parameter	Unit	Value	
Type*		FBG only	
Wavelength		ITU grid; Custom: 1520-1675 nm	
Reflection Bandwidth @-25dB**	12.5 GHz	nm	< 0.1
	25 GHz		< 0.2
	50 GHz		< 0.4
	100 GHz		< 0.8
	200 GHz		< 1.2
Isolation	dB	25, 30, 35, 40, 45	
Wavelength accuracy	nm	±0.1 - ±0.01	

\* Different FBG packages are available upon request

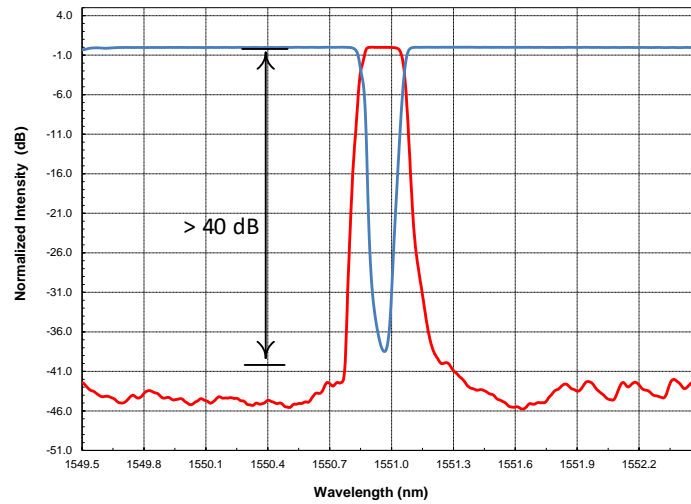
\*\* For measuring of the bandwidth, an optical coupler/circulator is required.



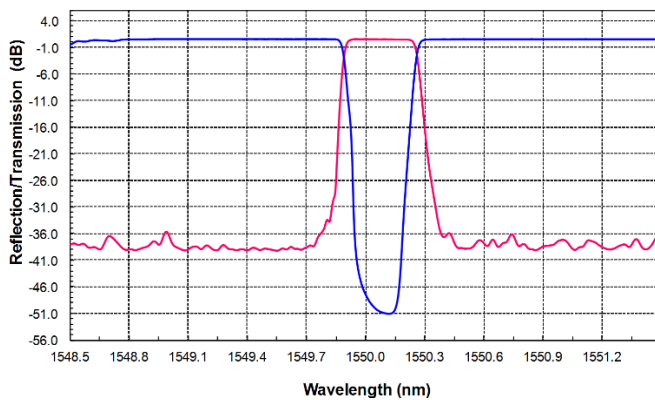
**OEDWDM-012 (12.5GHz DWDM FBG)**



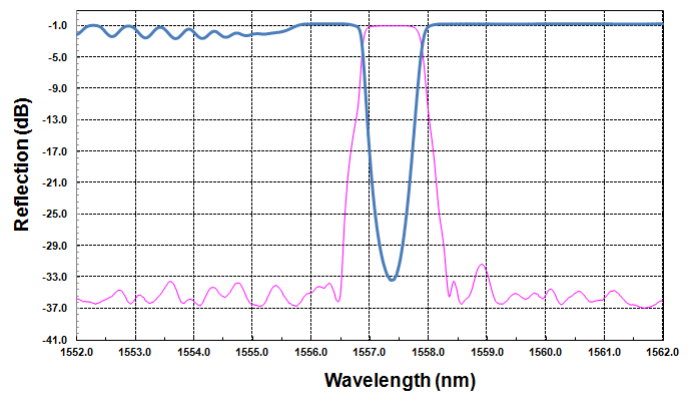
**OEDWDM-025 (25GHz DWDM FBG)**



**OEDWDM-050 (50GHz DWDM FBG)**



**OEDWDM-100 (100GHz DWDM FBG)**



**OEDWDM-200 (200GHz DWDM FBG)**

Ordering number OEWDM:

Channel spacing	CWL (nm)	Package	Pigtail type	Connector	Fiber Length	
012 (12.5 GHz)	Center Wavelength	Standard	P1 Bare fiber T1	FC/PC	C1	Default: 1m
025 (25 GHz)		Athermal	P2 900 Tubing T2	FC/APC	C2	Custom: indicate value
050 (50 GHz)		None	P3 3mm Jacket T3	SC/PC	C3	
100 (100 GHz)				SC/APC	C4	
200 (200 GHz)				LC/PC	C5	
				LC/APC	C6	
Example:	OEWDM-050-1565.5-P1-T2-C3-1.5					



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Note: Customers who use Fiber Bragg Gratings (FBGs) or incorporate them with their own products, must buy their FBGs from a licensed manufacturer.  
 O/E LAND INC. has full License Agreement from CRC/UTC Fiber Bragg Grating Technologies Portfolio.