

[OEPBG-100]

Narrow Linewidth Passband FBG Filter

Features:

- All-fiber based structure
- Narrow linewidth
- Wide stopband
- Custom wavelength
- SM or PM-fibers

Applications:

- Fiber laser ASE noise filter
- Laser radar spectrum noise filter
- High-resolution Raman spectroscopy
- Optical testing
- Fluorescence microscopy

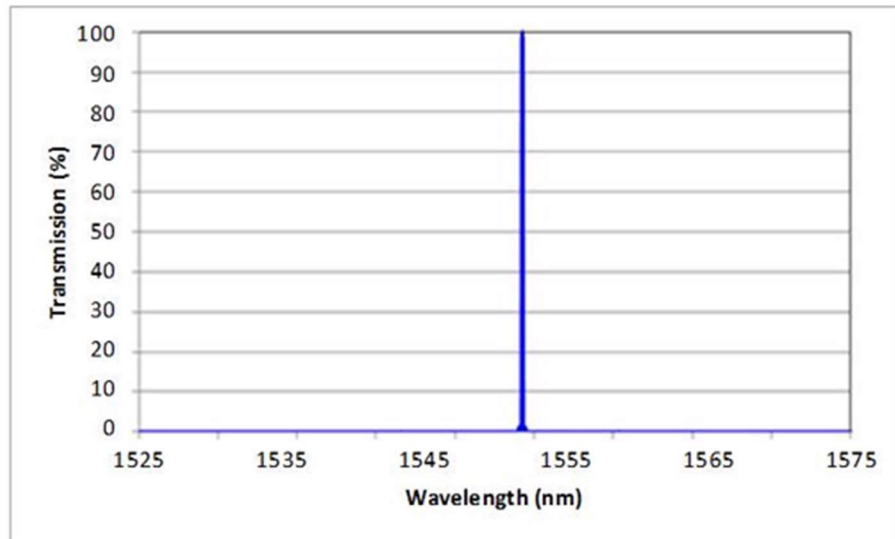
Product description:

The standard Narrow Linewidth Passband Filter with model number OEPBG-100 from O/E Land Inc., is based on our advanced Fiber Bragg Grating technology. This filter can be used to select a small bandwidth optical signal to pass, and at the same time to block all other wavelengths. The intended use of our passband filters is in various applications, such as fiber laser ASE noise suppression, laser radar filter, high-resolution Raman spectroscopy, fluorescence microscopy and optical instrumentation.

Product specifications:

Parameter	Unit	Value
Type		Standard Narrow Linewidth FBG Filter
Wavelength	nm	1030; 1060; 1310; 1550; 2000
Operation mode		CW / Pulse
FWHM Bandwidth (Passband)	nm	> 0.5
Stopband	nm	> 50
		> 100 (optional)
Isolation	dB	> 20
Insertion loss	dB	< 0.6
Fiber type		SM; PM

Product transmission spectrum:



Ordering number for OEPBG-100:

Model	CWL (nm)	B (nm)	R (%)	Connector	Fiber Length
OEPBG-100-CWL-B-R-C-FL	Center Wavelength	FWHM bandwidth	Reflectivity	FC/PC C1 FC/APC C2 SC/PC C3 SC/APC C4 LC/PC C5 LC/APC C6	Default: 1 m Custom: specify value
Example:	OEPBG-100-1550-0.5-95-C2-1				