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[OEFBG-UNL-100]

Ultra Narrow Linewidth Passband FBG Filter

Features:

- All-fiber based structure
- TEM_{00} beam profile
- Ultra-narrow linewidth
- Custom wavelength
- SM or PM-fibers

Applications:

- Spectroscopy
- Biomedical imaging
- Remote sensing
- Non-linear optics
- Telecommunications
- Quantum optics

Product description:

The OEFBG-UNL-100 Ultra Narrow Linewidth Filters based on Fiber Bragg Grating are cutting-edge optical components designed to provide exceptional wavelength selectivity with high transmission efficiency. O/E Lands' filters feature extremely narrow bandwidths, allowing them to isolate specific wavelengths with unparalleled precision, making them ideal for applications such as spectroscopy, laser systems, and telecommunications. With their superior performance in rejecting unwanted spectral noise, they are crucial for high-resolution systems that require precise control over the transmitted wavelength. O/E Lands' Ultra Narrow Linewidth Filters are engineered for reliability, durability, and optimal performance in demanding environments, delivering consistent results across a wide range of applications.

Product specifications:

Parameter	Unit	Value
Type		Ultra Narrow Linewidth FBG Filter
Wavelength	nm	1030; 1060; 1310; 1550; 2000
Operation mode		CW / Pulse
FWHM Bandwidth (Passband)	pm	> 5
Isolation*	dB	> 30
Insertion loss	dB	2 - 3
Tuning range (optional)	pm	± 200
Fiber type		SM; PM

*Higher isolation is available on request.

Ordering information:

Model	CWL (nm)	B (pm)	R (%)	Connector	Fiber Length
OEFBG-UNL-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:	**OEFBG-UNL-100-1550-10-95-C2-1**				