

[OEPAS-FPE-200]

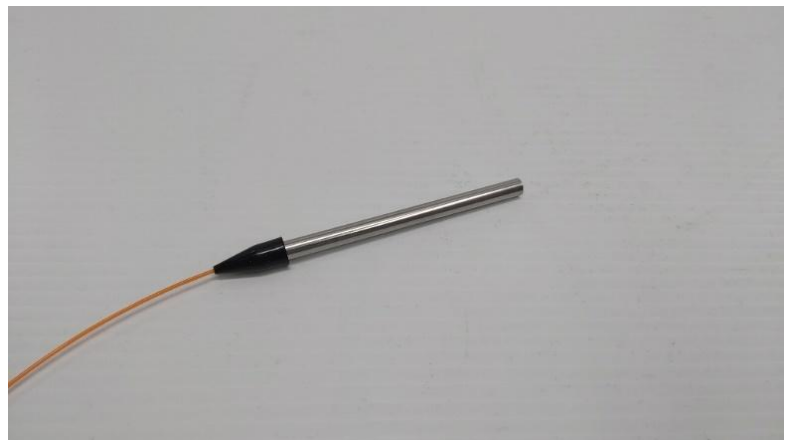
Fiber Pigtailed Fabry-Perot Etalon (Wavelength: UV – Mid Infrared, reflection type)

Features:

- For locking the wavelength
- For wavelength reference
- Small and compact design
- SM or PM fibers versions
- Reflection type (one port)
- Customizable (with certain limitations)

Applications:

- Optical Fiber Telecommunications
- Fiber Interferometry
- Optical Signal Processing
- Signal Synchronization
- Network Equipment
- Lab Testing



OEPAS-FPE-200

Product description:

A new fiber-pigtailed Fabry-Perot Etalon (reflection type) with model number **OEPAS-FPE-200** is now available at **O/E Land Inc.** The etalon is used in telecommunications systems as narrow band filters to lock a laser cavity on a fixed frequency. They are also used as a frequency reference in the high precision tunable laser sources as well as other applications including optical telecommunications, optical sensing, etc.

Specifications:

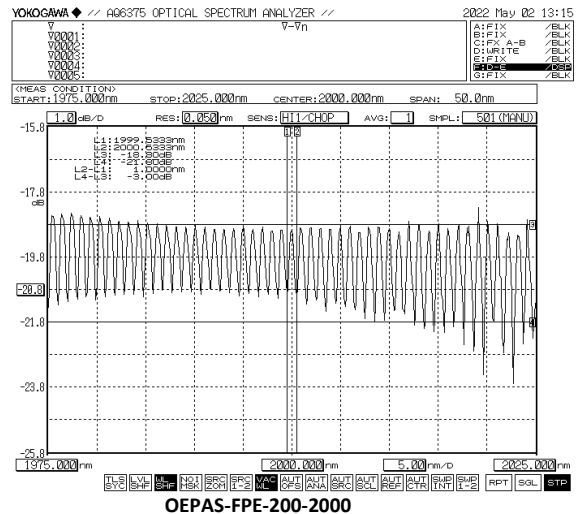
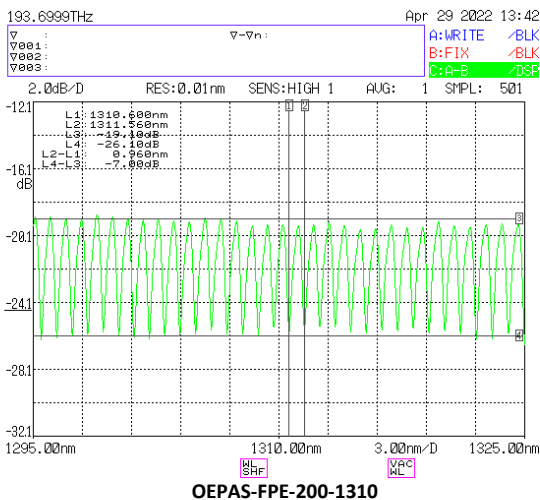
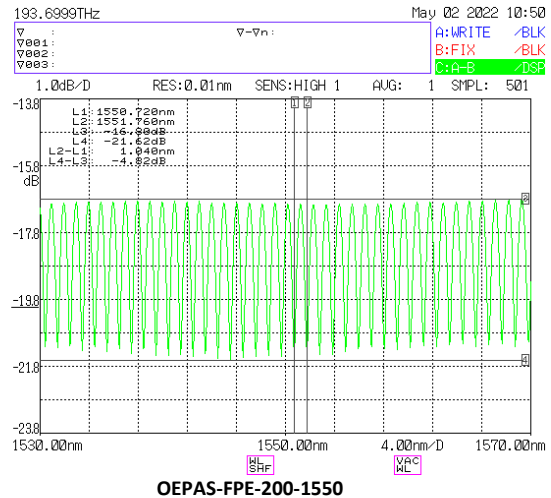
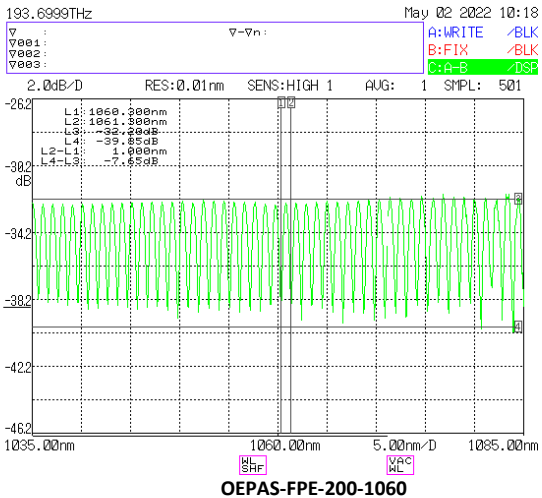
Parameter	Unit	OEFPE-100			
Name		Fiber-pigtailed Fabry-Perot Etalon (reflection type)			
Center wavelengths **	nm	1064	1310	1550	2000
Operating wavelength range	nm	±50	±50	±50	±50
Free Spectral Range (FSR)	GHz	>250	>150	>100	>75
Fibre type	-	HI1060 PM980	SMF-28 PM1550	SMF-28 PM1550	SM1950 PM1550
Fibre length	m	1; custom length			
Cable jacket size	mm	Bare fiber; 0.9 tubing			
Connectors	-	None; FC/PC; FC/APC; SC/PC; SC/APC; LC/PC; LC/APC			
Operating temperature	°C	+10 to +60			
Storage temperature	°C	-40 to +85			
Dimensions (approx.)	mm	70 x 6 (LxD)			

* Some limitations apply.

** Tuning range can significantly vary depending on FBG specifications.

*** Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.

Sample spectra:



Ordering number:

OEPAS-FPE-200-WL-FSR-Fiber-Conn	WL	FSR	Fiber type	Connector
	Wavelength (nm)	Free Spectral Range (GHz)	SM: Single-mode PM: Polarization-maintaining	NC: Non-connectorized FC/PC: FC/PC connector
Example:	OEPAS-FPE-200-1550-100-SM-NC			