

[OEFPE-200]

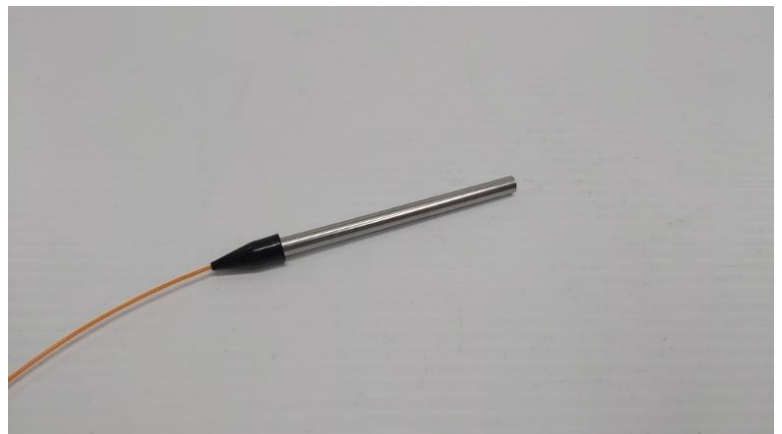
Fiber Pigtailed Fabry-Perot Etalon (Wavelength: UV – Mid Infrared, reflection type)

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



OEFPE-200

Product description:

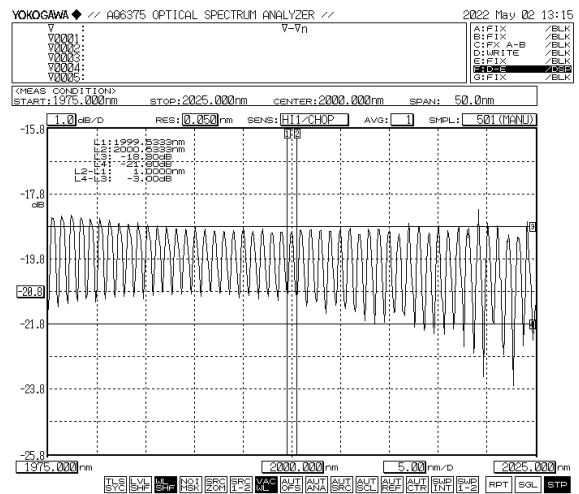
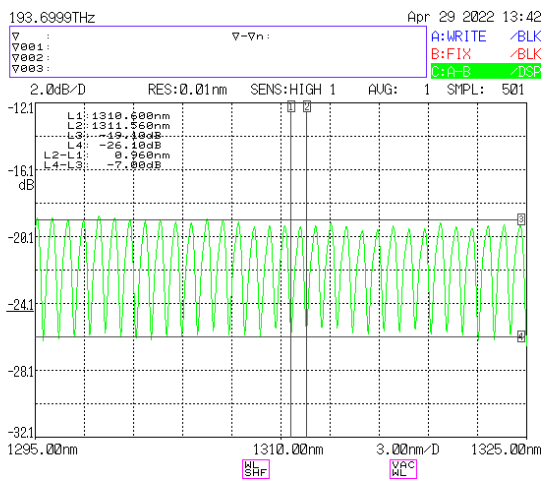
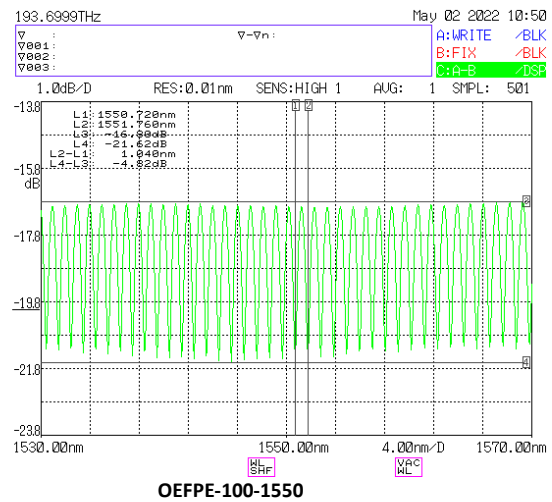
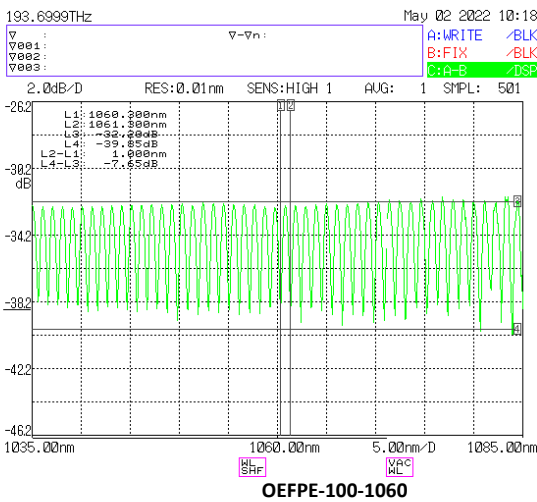
A new fiber-pigtailed Fabry-Perot Etalon (reflection type) with model number **OEFPE-200** is now available at **O/E Land Inc.** The etalon is used in telecommunications systems as narrow band filters to lock a laser cavity on a fixed frequency. They are also used as a frequency reference in the high 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 specifications can be customized. Certain limitations apply.

** Other wavelengths are available on request

Sample spectra:


OEFPE-100-1310
OEFPE-100-2000

Ordering number:

| OEFPE-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: | OEFPE-200-1550-100-SM-NC | | | |