O/E LAND INC.

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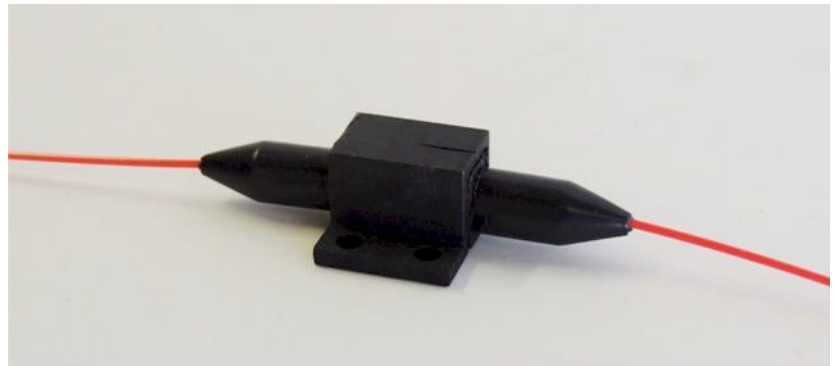www.o-eland.com

[**OEFPE-100**]

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

Features:

- For locking the wavelength
- For wavelength reference
- Small and compact design
- SM or PM fibers versions
- Transmission type (two ports)
- Customizable (with certain limitations)

Applications:

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

OEFPE-100-T

Product description:

A new fiber-pigtailed Fabry-Perot Etalon transmission type with model number **OEFPE-100** 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.
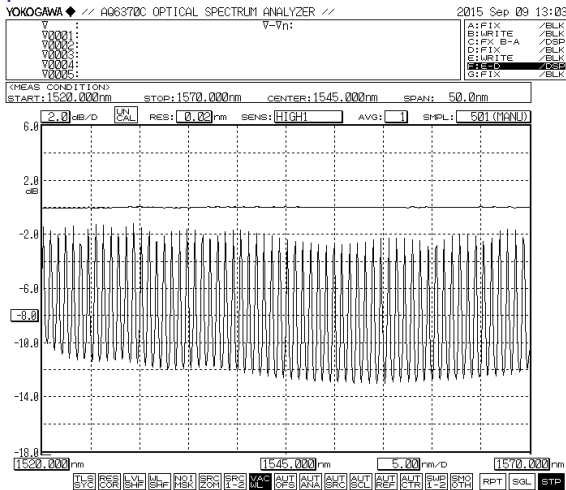
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Specifications:

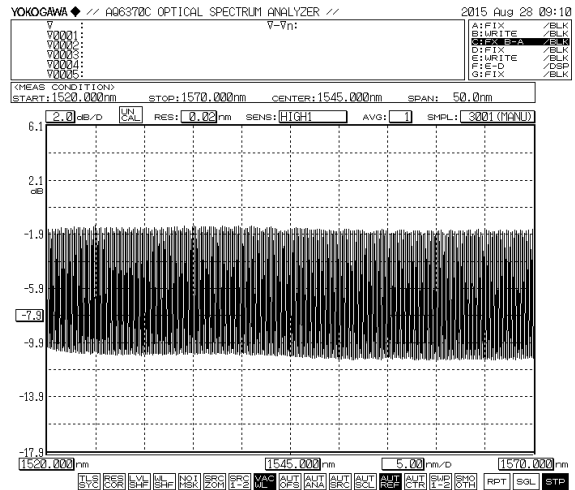| Parameter	Unit	OEFPE-100				
Name		Fiber-pigtailed Fabry-Perot Etalon (transmission type)				
Center wavelengths **	nm	C-Band			C+L-Band	
Operating wavelength range	nm	1520-1560			1520-1610	
Free Spectral Range (FSR)	GHz	25	50	100	50	100
Fibre type	-	SMF-28 PM1550	SMF-28 PM1550	SMF-28 PM1550	SMF-28 PM1550	SMF-28 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	70x12x10 (LxWxH)				

* Some specifications can be customized. Certain limitations apply.
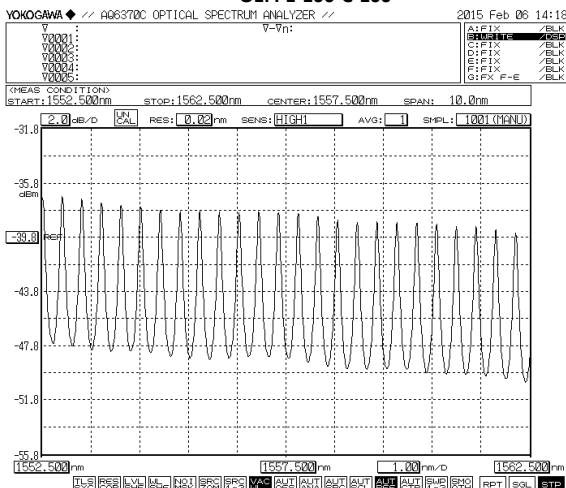
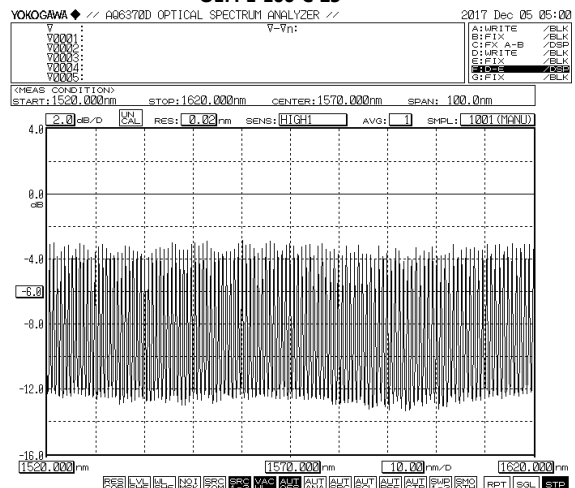** Other wavelengths are available on request

Sample spectra:

OEFPE-100-C-100

OEFPE-100-C-25

OEFPE-100-C-50

OEFPE-100-C+L-100

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Ordering number:

OEFPE-100-WL-FSR-Fiber-Conn	WL	FSR	Fiber type	Connector
	Wavelength (nm): C: C-Band C+L: C+L-band	Free Spectral Range (GHz)	SM: Single-mode PM: Polarization-maintaining	NC: Non-connectorized FC/PC: FC/PC connector
Example:	OEFPE-100-C-100-SM-NC			