

[OEFBG-LPG-100]

Long Period Grating

(Wavelengths from 700 nm to 1700 nm)

Product Features:

- Non-reflecting type
- Low insertion loss
- Wavelengths ranging from 700 nm to 1700 nm
- Compact
- In-fiber device
- Quick delivery time and cost effective
- Full engineering support

Product Applications:

- Non-reflecting band rejection filter
- Band pass filter
- Gain flattening filter for EDFA and Raman Amplifier

Product Description:

Long period gratings couple light from a guided mode into forward propagating cladding modes where it is lost due to absorption and scattering. The coupling from the guided mode to cladding modes is wavelength dependent so we long period gratings can be used to obtain a spectrally selective loss. Long period gratings have a wide variety of applications, including band-rejection filters, gain flattening filters and sensors.

O/E LAND INC. manufactures long period gratings, with model number **OEFBG-LPG-100** according to customer specifications. We also have an increasing inventory of long period gratings, off the shelf, for low cost and quick delivery

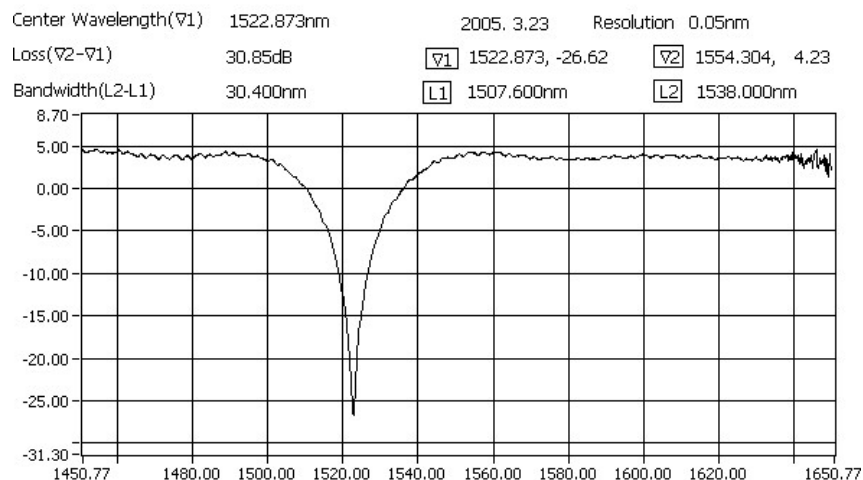
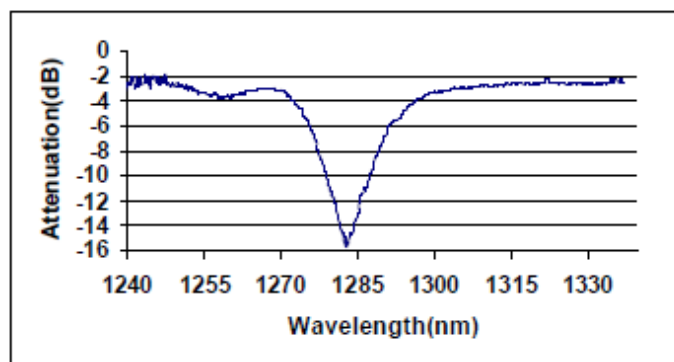


Fig.1. Long Period Grating Spectrum

To download the datasheet: [click here](#)



Long Period Grating Product



Long period grating couples light from a guide mode into forward propagating cladding modes where it is lost due to absorption and scattering. The coupling from the guided mode to cladding modes is wavelength dependent so we can obtain a spectrally selective loss.

APPLICATIONS:

- Nonreflecting band rejection filter
- Bandpass filter
- Gain flattening filter for EDFA and Raman amplifier

FEATURES:

- Non reflection type
- Low insertion loss
- Compact
- In fiber device
- Cost effective
- Standard product
- Quick delivery
- Connector(option): FC/PC , FC/APC, ST
- Athermal package available
- Full engineering support
- Volume capability

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