

## Long period Fiber Gratings

### Product Description:

In comparison with a fiber Bragg grating, a long period Fiber Grating (LPFG) has a much longer period, which can considerably exceed the wavelength of optical signal propagating in the fiber. Unlike a fiber Bragg grating, A long period fiber grating couples light from a guided mode into forward propagating cladding modes where they are lost due to absorption and scattering. The coupling from the guided mode to cladding modes is wavelength dependent, and therefore generates some dips at the wavelengths corresponding to resonances with various cladding modes. The long period fiber grating can be used for band pass filter, gain equalizer as well as others.

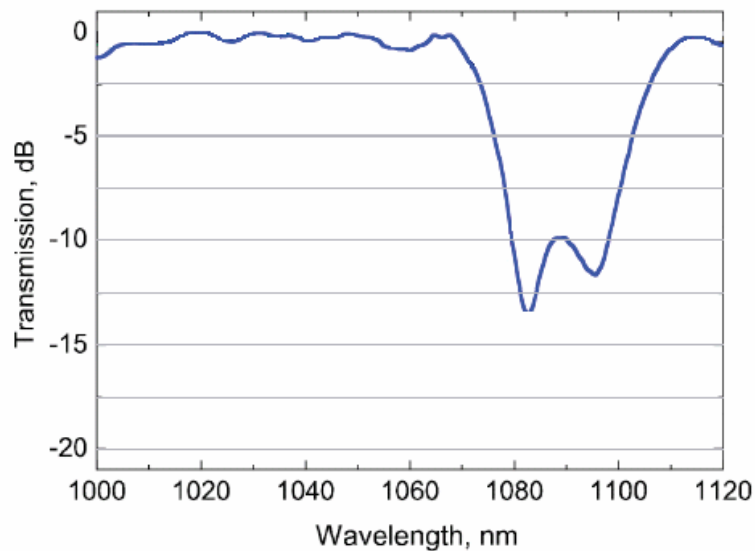


Figure 1: an example of LPFG transmission curve

### Features:

- Wide Wavelength Range: 700~1700
- Low Insertion Loss
- Miniature Footprint
- Custom requirements are welcomed