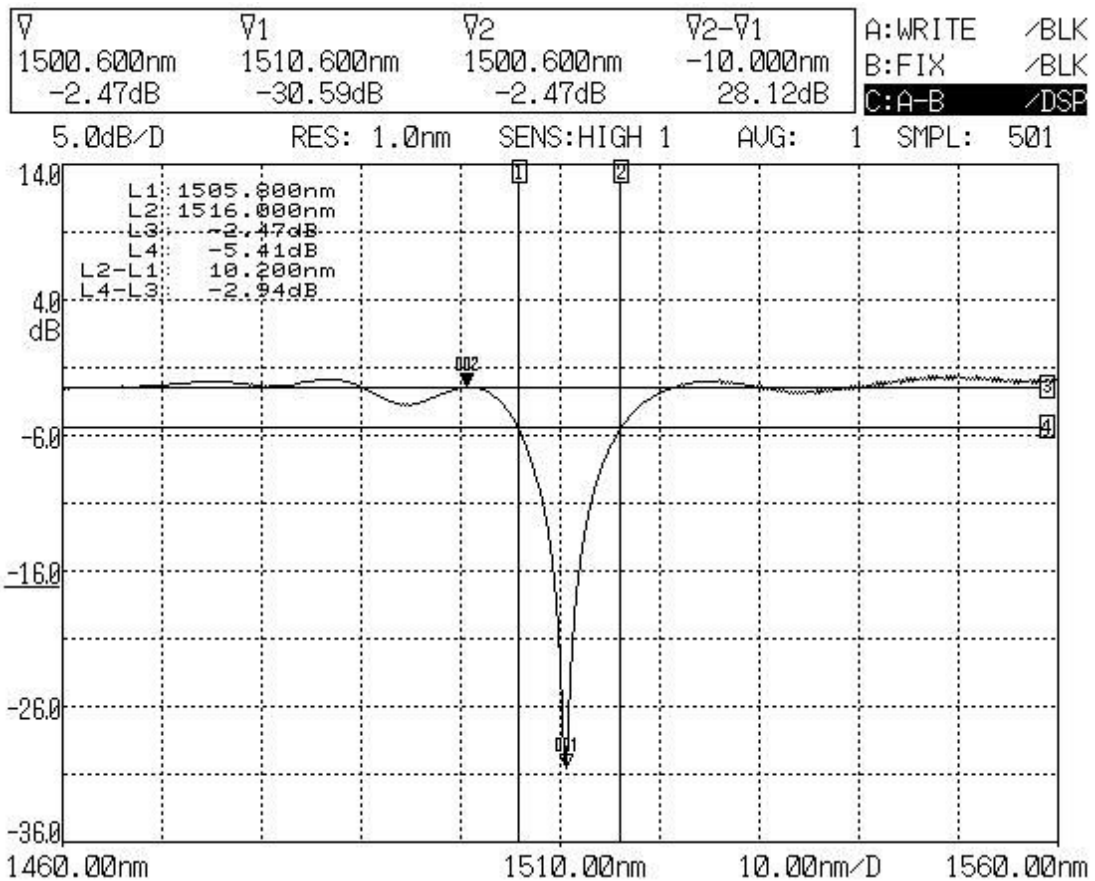


## Long Period FBG

### Description

Long period grating is used as a core and cladding coupled optical devices in different wavelength. Long period grating couples light from a guided mode into forward propagating cladding modes where it is lost due to absorption and scattering. Long period fiber grating has been used for temperature, pressure and strain measurement, dispersion compensation, tunable filter and optical fiber sensor. Idealphotonics Technologies produce wide range period long period fiber gratings from 200 $\mu$ m to 1200 $\mu$ m



## Feature

Non Reflection  
 Low insertion loss  
 Super Sensitivity

## Application

- Notch band filters
- Gain flattening filters for EDFA
- Optical fiber sensing
- Dispersion compensation

## Specification

Parameter	Unit	Specification	Tolerance
Center Wavelength	nm	600—1700	±5nm
Reflectivity	%	10-99.99	—
Bandwidth (FWHM)	nm	>15	—
Period	^m	200—1200	—
LPFG Length	mm	<=60	—
Insertion loss	dB	<0.5	—
Optical Connector	—	FC/APC, FC/UPC	Custom
Fiber Type	—	SMF-28 or Compatible	—

## Ordering Information :

DWDMFBG – 1550.1 – 99.5 – 20 – A – 30

①            ②            ③            ④            ⑤

- ① : Center Wavelength  
 ② : Reflectivity  
 ③ : Bandwidth (FWHM)  
 ④ : Optical Connector: A: FC/APC, B: FC/UPC, C: Custom, N: None  
 ⑤ : LPFG Length: Custom (<=60mm)