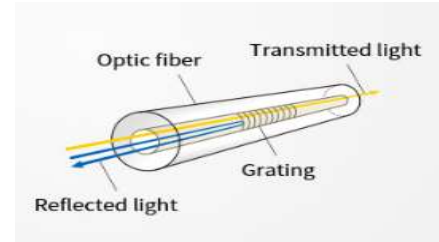


# Fiber Bragg Gratings (FBG) for Sensor

## SPEC SHEET

### Key Features

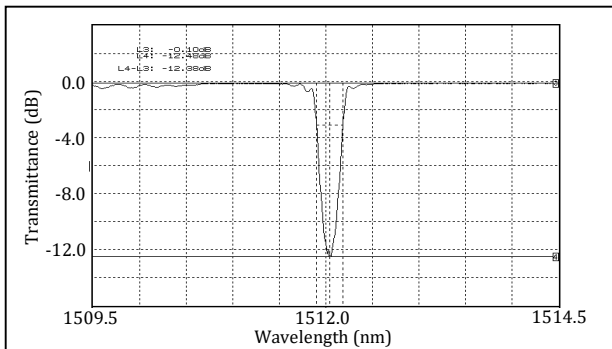
- A wide range of FBG devices are available from VIS to NIR
- A thermal FBG package is also available
- Available for various fiber options
- Prototypes can be made starting with single strands



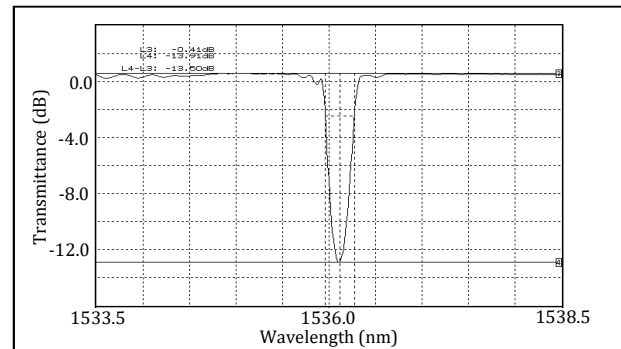
### Optical Specifications

Parameter	Unit	Value
Center Wavelength	nm	1300 - 1700
Center Wavelength Tolerance	nm	±0.2
Reflected Bandwidth	nm	0.2 - 0.5
Reflected Bandwidth Tolerance	%	±20
Reflectance	%	80 - 99
Reflectance Tolerance	%	±2
Fiber Type	-	SMF or PMF
Recoating	-	UV acrylate or None
Fiber Length	m	0.3 - 1.8 (Standard 1m)
Connector	-	None or FC/SC/LC connector

### Typical Optical Specifications



A sample of 1512nm FBG



A sample of 1536nm FBG