

## Applications

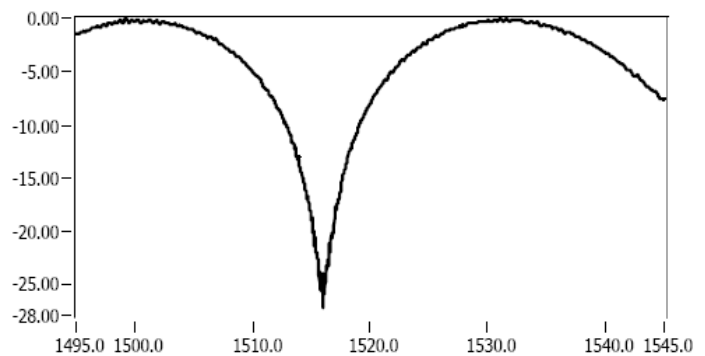
- Bio-medical sensor
- Band-Pass filters
- Gain flattening filter

## Key Features

- Non reflection
- Super sensitivity

Technica SA produce wide range period long period FBG from 200 um to 1200 um with unique manufacturing process to give spectrally selective loss during the light coupling from guide modes to cladding modes where it is lost due to scattering and absorption.

Transmission Spectrum



Typical 450 um period Long Period FBG Spectrum

## Specifications

Parameter	Unit	Specifications	Tolerance
Center Wavelength	nm	600 - 1700	+/- 5
Reflectivity	%	10% - 99.9 %	
FWHM Bandwidth	nm	> 15	
Period	um	200 – 1200	
LPG length	mm	<= 30	
Fiber termination		Bare fiber or typical FC/APC,FC/UPC	
Fiber Type		SMF-28 or compatible Regular SMF28 compatible: Acrylate/ polyimide coating 80um cladding fiber /Hi NA 80um cladding fiber	

Ordering info: LPFBG- ①①-②②②②-③③-④

①①: Reflectivity.

②②②②: Wavelength.

③③: Bandwidth.

④: Connector type A:FC/APC, B:FC/UPC, C: Specify ,0:None