



SELECT  
Wavelength **0.6 μm to 2.1 μm**

## Fiber Bragg Gratings | For other applications

iXblue proposes a wide range of Fiber Bragg Grating (FBG) based on several design to address a broad application area as telecommunications, harsh environment, research and development, ...  
The excellent know-how FBG manufacturing process gives to iXblue capabilities to produce various filters on several in house fibers. Our offer is adapted to your volume or customized solutions.

### Key Features

- Wide range of wavelengths
- Customized spectral shape & grating type (apodized, FP cavity)
- Insensitive thermal packaging for low wavelength shift
- High reflectivity insulation (SLSR)



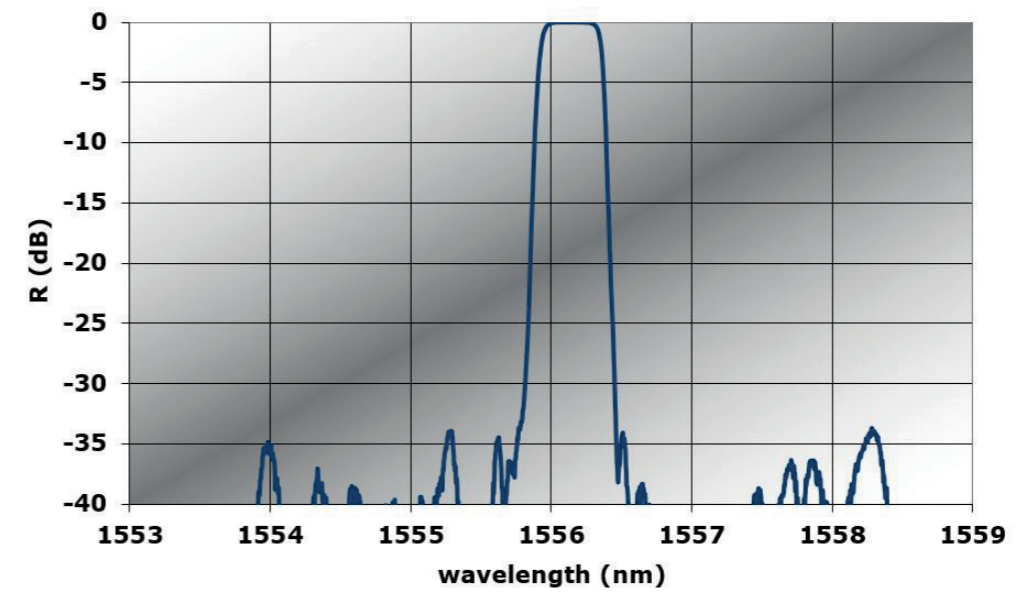
### Main Specifications

Product Name	IXC-LDS	IXC-FBG	IXC-BBF
Application	Laser diode stabiliser	Custom	Broadband filter
Fiber Type	Hi1060, PM980 or other	SMF, PM, CMF or other <sup>1</sup>	SMF,PM,CMF or other <sup>1</sup>
Wavelength Range	980 or 1480 nm	600 to 2100	C-Band or L-Band
FWHM	0.1 to 3 nm	0.05 to > 50 nm	2 to 45 nm
Reflectivity	3 to 10 %	1 to 99.9 %	> 95 %
Recoating <sup>2</sup>	acrylate, hytel tube	acrylate, athermal or custom	acrylate, athermal or custom

<sup>1</sup> Refer to Photosensitive fibers

<sup>2</sup> Buffer and connector upon request

### Reflection Spectrum



### Main Specifications

Product Name	Athermal Fiber Bragg Grating
Application	Standard Passive Temperature-Compensated Package for FBG
Package Size	55 x 5 x 5 mm <sup>1</sup>
Thermal Sensitivity	< 2 pm/°C in the range 0 to 70 °C

<sup>1</sup>With fine tuning crew to adjust the central wavelength within 10 pm

