



Aniber's FBG is produced in optical silica fibers by creating periodic refractive index variations in the fiber core using UV laser light. FBG is an in-line optical filter and its reflection wavelength and spectral shape depends on the periodicity, length as well as depth of the refractive index changes of the grating structure. FBG exhibits very low loss and is low-cost compared to the bulk-optics counter parts. By altering the grating periodicity and refractive index change, FBGs for various fiber-optics communication and sensing applications can be easily produced.

SPECIFICATIONS

Single Acrylate FBG	
Center wavelength	810 ~ 880nm
Center wavelength tolerance	+/- 0.5m
Grating length	10mm
Type of FBG	Apodized
Bandwidth @ -3dB	<0.3nm
Reflectivity	90~95%
SLSR	>15dB
Pigtail length	1m on both sides
Fiber type	Acrylate coated fiber
Recoating	Acrylate recoated FBG
Connector type	FC/APC on both ends
Operating temperature	-5°C ~ +80°C
Storage temperature	-40°C ~ +80°C



*Specifications are subjected to change with a view of enhancing system performance without prior notice.
Design and specifications can be customized to suit a range of customer requirements.*