## Applications

- Gain Flattening Filter for EDFA and ASE light source
- Wideband filter for CWDM system
- Distributed sensing
- Chromatic dispersion compensation

Key Features
- **Up to 60nm bandwidth coverage**
- **Quick sampling and delivery**

Chirped fiber gratings can be designed and made by axially varying either the period of the grating, Λ, or the effective index of refraction of the fiber. Technicasa manufactures the chirped grating by using non-periodic phase mask. By modifying the intensity of grating depth for reachinany predefined gain compensation profile that create the gain flat filter. With ultra wide bandwidth that also create wide band filter as well as serving the distributed sensing application
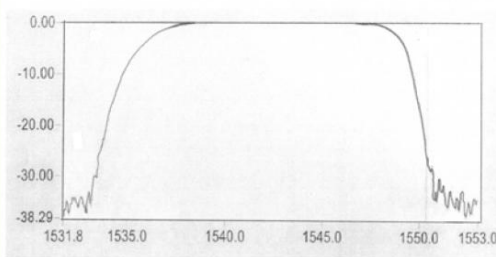
Typical wideband Chirp FBG reflection spectrum
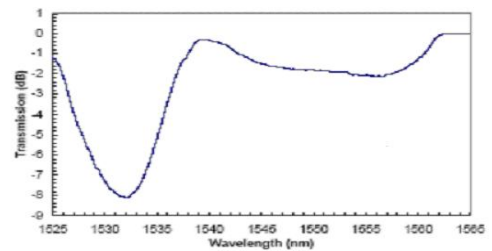
Typical GFF spectrum

Specifications

Parameter	Unit	Specifications	Note
Center Wavelength	nm	C +L band	Or custom
Reflectivity	%	10 - 99.99	Top flat: typical >99 %
FWHM Bandwidth	nm	2 - 60	
Insertion loss	dB	0.2 – 0.5	
Fiber termination	-	Bare fiber FC/APC,FC/UPC	Or custom
Fiber Type	-	SMF-28 or compatible	Or custom

Ordering info: CFBG-①①-②②②②-③③-④

①①:**Reflectivity.**

②②②②:**Wavelength.**

③③:**Bandwidth**

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

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