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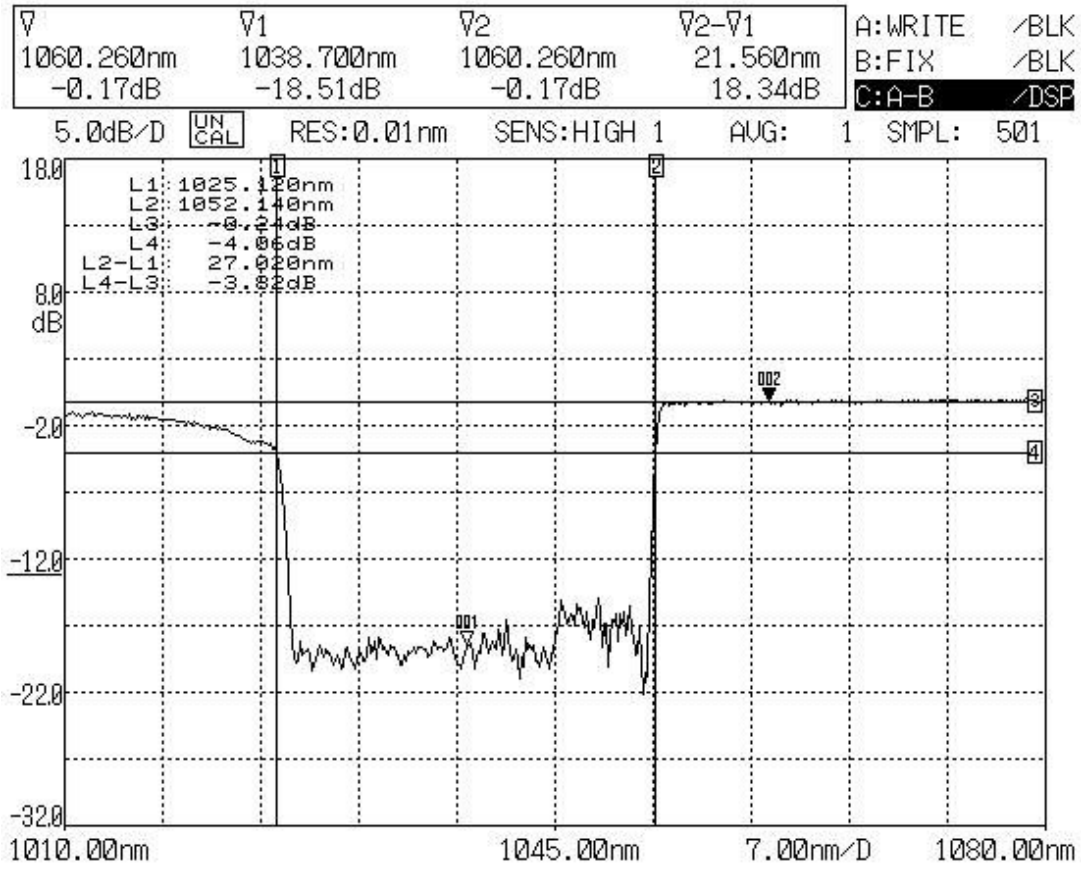
Chirped fiber gratings

Description

Chirped fiber gratings can be designed and made by axially varying either the period of the grating or the effective index of refraction of the fiber.The grating period of chirped grating is not constant; it changes in the axial direction. The Bragg reflection wavelength corresponds to the different grating period, and also the incident light of different wavelengths is reflected in the different position of chirped fiber grating.By
modifying the intensity of grating depth for reach in any predefined gain compensation profile that createsthe gain flat filter. With ultra wide bandwidth that also create wide band filter as well as serving the distributedsensing application.



Feathure

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Up to 60nm bandwidth coverage
Low insertion loss
Quick sampling and delivery

Application

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

Specification

Parameter	Unit	Specification	Tolerance
Center Wavelength	nm	C+L band	Custom
Reflectivity	%	10—99.99	—
Bandwidth (FWHM)	nm	0.5—60	Custom
Insertion loss	dB	<0.5	—
Optical Connector	—	FC/APC, FC/UPC	Custom
Fiber Type	—	SMF-28 or Compatible	—

Ordering information

CHPFBG – 1550.1– 99.5– 2.0– A– T

① ② ③ ④ ⑤

①：Center Wavelength

②：Reflectivity

③：FWHM Bandwidth

④：Optical Connector： A：FC/APC，B：FC/UPC，C：CustomerD：None

⑤：Athermal Packaging： T：Standard， C：Customer，D：None