Alxenses

Your Fiber Optic Sensor Partner

Chirped FBG

Alxenses's Chirped fiber Bragg grating is an in-fiber broadband reflective optical filter. Using advanced fabrication technique and production facilities, grating period and refractive index modulation depth along the length of FBG can be precisely controlled to produce chirped fiber Bragg grating with different spectral and dispersion characteristic. The broad bandwidth and customizable spectral shape of chirped fiber Bragg grating is particular effective in gain and spectral flattening of EDFA or ASE optical source.

Features

- Low insertion loss
- Customized reflection spectrum
- Wide bandwidth

Applications

- ASE filtering
- EDFA gain flattening
- Broadband reflector for fiber laser

  Dispersion compensation

SPECIFICATIONS

Chirped FBG

Parameters	Values	Units
Center Wavelength	1550 OR 1650	nm
Center Wavelength Tolerance	+/- 0.5	nm
Reflectivity	10~99	%
FWHM	10 (typ.)	nm
Typical Insertion Loss	1	dB
Fiber Termination	Bare Fiber, FC/UPC or FC/APC	--
Fiber Type	SMF-28 fiber	--

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