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Applications

- Radiation environment
- Nuclear industry

Key Features

- Radiation proof
- High temperature endurance
- Good performance cost ratio

Easy to use

Our radiation hard fiber Bragg grating (FBG) technology is recognized as the most promising and successful optical fiber sensing technology to be deployed in radiation environment

engineering application. Installation is easy as FBG sensors can be mounted using conventional techniques and is designed for use a single of in series as part of a FBG array of sensors

Specifications

Parameter	Unit	Specifications	Remark
Wavelength	nm	1460 to 1620	Other wavelength available upon request
Wavelength Tolerance	nm	+/- 0.5	
Reflectivity	%	50 to 80	+/- 5
Reflection FWHM	nm	0.3	+/- 0.2
FBG Length	mm	1 – 24	-
Sidelobe suppression ratio	dB	Min. 15	-
Fiber Type	-	Radiation resistant polyimide coated fiber	-
Recoat	-	Polyimide	+/- 5 um uniformity
Temperature endurance	C°	300	
Optical Connector	-	FC/APC,FC/UPC	Others available upon request

Ordering info: RFBG- ①①-②②②②-③③-④④④-⑤

①①:Reflectivity. ②②②②:Wavelength. ③③: Bandwidth.

④④④: Temperature endurance

⑤ : Connector type A:FC/APC, B:FC/UPC, C: Specify ,0:None