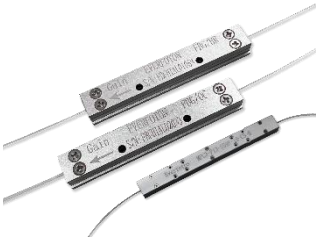
EVERFOTON

Fiber Bragg Grating for Fiber Laser
25/250 FBG



FBG (Fiber Bragg Grating) is a periodic refractive index modulation in optical fiber core through UV exposure which can achieve the modulation of modulation of signal light in optical fiber. It is an indispensable part of high power fiber laser.

Characteristics

- Low temperature slope is less than 0.01*C/W under 915 nm pump power
- Central wavelength 1060 – 1090 nm
- Bandwidth operational 0.1 – 4 nm
- Wavelength mismatch within 0.2 nm
- Fiber type can be customized

Applications

- High Power fiber laser

Product Type	FBG-1080-995-30-S1212-H/X	FBG-1080-010-10-S1212-O/Y
FBG Type	HR	OC
Center Wavelength (nm)	1079 – 1081	1079 – 1081
Peak Reflectivity (%)	≥ 99.5	10 ± 2
Bandwidth FWHM (nm)	2.0 – 4.0	0.5 – 2.0
Wavelength Mismatch (nm)	< 0.2	
Side Mode Suppression Ratio (dB)	> 10	
Fiber Type	GDF-25/400 or Customized	
Signal Power Handling (W)	4000	
Package Type	Heat Dissipation Package / Recoated Only	
FBG Pigtail Length	Each side 1.2 m	

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