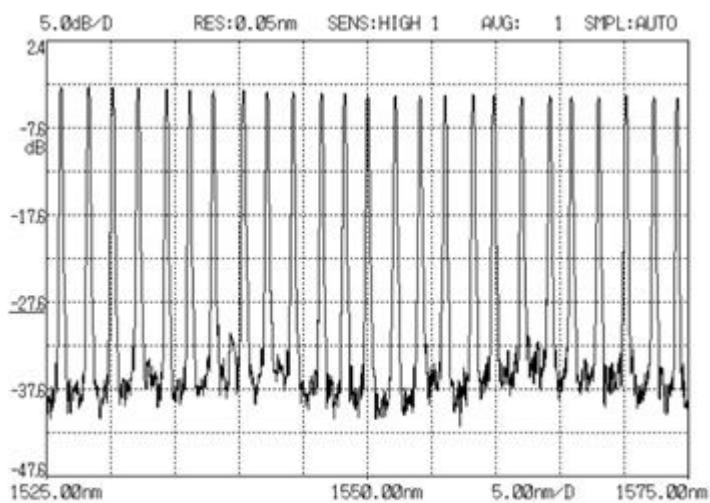


FBG Array

Description

FBG Array is a series of Bragg grating written on a single optical fiber. It can meet the requirements for long monitoring and multi-points monitoring. It can improve the stability and reliability, as well as simplify the system. AtGrating can customize the FBG array for different customers.



Reflective Spectrum For FBG Array

Feature

- No splicing point
- Customer defined grating characteristics and spacing
- High Stability and Reliability
- Long fiber distance

Application

- Distributed Sensing Measurement.
- Wavelength Reference
- Aerospace Engineering
- Load monitoring for power transmission

Specification

Parameters	Unit	Values			
Center Wavelength	nm	1510 ~ 1590			
Wavelength Tolerance	nm	+/-0.5			
FBG Length	mm	3	5	10	15
Reflectivity	--	≥70%	≥75%	≥90%	≥90%
Bandwidth at -3dB	nm	≤0.7	≤0.7	≤0.3	≤0.3
SLSR	dB	≥20			
Mini. Spacing	mm	10			
Spacing Accuracy	mm	≤1			
Recoat		Acrylate Or Polyimide			
Proof Test	Kpsi	≥100			
Fiber Type	--	SMF-28e Or Polyimide Fiber(OFS BF04446)			
Fiber Termination	--	Bare Fiber, FC/UPC, FC/APC Or E2000			
Pigtail Length	--	Customized			
Operating Temp.	°C	-40 ~120			

Ordering information

ISRFBG - 1550.1- 99.5- 1.0- A- P-A

① ② ③ ④ ⑤ ⑥

①: Center Wavelength

②: Reflectivity

③: Bandwidth (FWHM)

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

⑤: Recoating: A: Acrylate, P: Polyimide, M: Metal, N: None

⑥: FBG Array: A: Customers drawings