

0501 Bare FBG

W8202-S



1547.5 nm/1549 nm/1550.5 nm FBG, Acrylate Coating, FCA-FCA

FBG(Fiber Bragg Grating) 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 stability and reliability, as well as simplify the system.

FEATURES

- No Splicing Point
- Customer Defined Grating Characteristics and Spacing
- High Stability and Reliability
- Long Fiber Distance

USE IN

- Distributed Sensing Measurement
- Wavelength Reference
- Aerospace Engineering
- Load Monitoring for Power Transmission

Center Wavelength	1547.5 nm/1549 nm/1550.5 nm			
Wavelength Tolerance	±0.5 nm			
FBG Length	3 mm	5 mm	10 mm	15 mm
Reflectivity	70% min.	75% min.	90% min.	90% min.
Bandwidth at -3 dB	0.7 nm max.	0.7 nm max.	0.3 nm max.	0.3 nm max.
SLSR	15 dB min.			
Spacing	10 mm min.			
Spacing Accuracy	1 mm max.			
Proof Test	100 Kpsi min.			
Fiber Type	SMF-28e or Polyimide Fiber			
Fiber Termination	FCA-FCA			
Storage Temperature	-40°C to +120°C			