

0701 Bare FBG

W8204-S



1556.5 nm/1558 nm/1559.5 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.

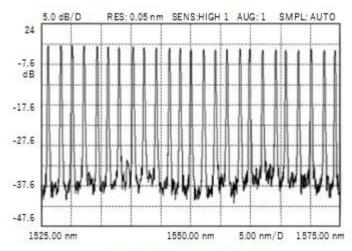
FEATURES

- 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

Spectrum



Reflective Spectrum for FBG Array

Center Wavelength	1556.5 nm/1558 nm/1559.5 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 0.7 nm 0.3 nm 0.3 nm max. max. 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

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

- 1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.
- 2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.