

0502 Athermal FBG



W8410-S

1555.02 nm Athermal Package FBG, 20 Ghz FWHM

FBG is the key component that acts as a rejection filter in telecommunications. The center wavelength of FBG is very sensitive to changes of temperature or strain. The package is used by the technology of temperature compensation to make the wavelength very stable.

FEATURES

- 20 G Channel Spacing
- Low Insertion Loss
- Excellent Channel Isolation

USE IN

- Regional and Long Haul
- DWDM Networks
- Wavelength Reference

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| Channel Spacing | 20 GHz |
| Operating Wavelength | 1555.02 nm |
| Wavelength Accuracy | ±0.05 nm @ 20°C |
| Reflective Bandwidth@-0.5 dB | 0.2 nm min. |
| Reflective Insertion Loss | 0.2 dB max. |
| Reflective Adjacent Channel Isolation | 23 dB min. |
| Reflective Non-adjacent Channel Isolation | 26 dB min. |
| Reflective Bandwidth@-25 dB | 0.6 nm max. |
| Polarization Dependent Loss | 0.1 dB max. |
| Max. Shifted Wavelength | 0.08 nm max. from 5 Degree to 60 Degree |
| Fiber Type | SMF-28 Compatible |
| Package Dimension | 5.5x5.5x65 mm |
| Storage Temperature | -5°C to +75°C |
| Temperature Drift | 1 pm°C max. |
| Fiber Termination | FC/APC |