

## 0502 Athermal FBG



W8411-S

### 1553.24 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

Channel Spacing	20 GHz
Operating Wavelength	1553.24 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	26dB 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