

## 0502 Athermal FBG



W8408-S

### 1560 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
Center Wavelength @ 25°C	1560 nm
Wavelength Accuracy	±0.05 nm
Reflective Bandwidth @ 3 dB	0.16±0.01 nm (20 G)
Reflective Insertion Loss	0.2 dB max.
Reflective Adjacent Channel Isolation	15 dB min.
Reflectivity	80% min.
Polarization Dependent Loss	0.1 dB max.
Max. Shifted Wavelength	0.04 nm max. from 0 degree to 40 degree
Fiber Type	SMF-28 Compatible
Package Dimension	5.5x5.5x65 mm
Storage Temperature	-40°C to +85°C