

## 0702 Athermal FBG

W8412-S



### 1555.98 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	1555.98 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.
Wavelength Shift	1 pm/°C
Fiber Type	SMF-28
Dimension	5.5x5.5x65 mm
Storage Temperature	-5°C to +75°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.**