

## 0502 Athermal FBG

W8000-S



### Temperature Compensated Fiber Bragg Grating

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

- Low Insertion Loss
- Excellent Channel Isolation

#### USE IN

- Regional and Long Haul
- DWDM Networks
- Wavelength Reference

Target Wavelength ( $\lambda_t$ )	1541.746 nm
Min. Channel Passband Bandwidth @ -0.4 dB	1541.622 nm to 1541.906 nm
Max. Adjacent Channel Edge Crosstalk Bandwidth @ -7 dB	1541.488 nm to 1542.04 nm
Max. Adjacent Channel Crosstalk Bandwidth @ -20 dB	1541.402 nm to 1542.126 nm
Loss over Passband 1541.622 nm to 1541.906 nm	-0.4 dB min.
Reflection Isolation 1541.488 nm to 1542.04 nm	-7 dB max.
Reflection Isolation 1541.402 nm to 1542.126 nm	-20 dB max.
Drop Path Chromatic Dispersion Range 1541.592 nm to 1541.916 nm	$\pm 800$ ps/nm
Package	Passive Temperature Compensated
Fiber Type	Corning SMF-28, 9/125/250
Pigtail Length	1.0 m min.