

## 0702 Athermal FBG

W8501-S



### 1547.72 nm Athermal Package FBG, 25 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.

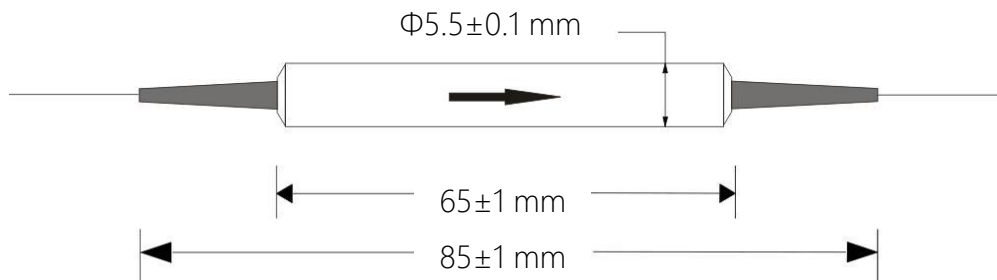
#### FEATURES

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

#### USE IN

- Regional and Long Haul
- DWDM Networks
- Wavelength Reference

#### MECHANICAL DRAWING



3dB Bandwidth Range	25 GHz (0.2 nm)
Center Wavelength	ITU 35
Operating Wavelength	1547.72 nm
CW Tolerance	$\pm 0.05$ nm
CW shift	0.05 nm max. from 0 to 50°C
Reflectivity	98% min.
Fiber Type	SMF
Dimension	5.5x5.5x65 mm

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900  $\mu$ m, 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.**