

# 1550nm thermally insensitive packaged fiber Bragg grating



## ● Product Description

Fiber Bragg gratings are widely used as wavelength filters in the communication field. The central wavelength of the fiber Bragg grating is highly sensitive to external temperature changes. This packaging utilizes unique technology to ensure that the central wavelength of the grating is unaffected by temperature variations.

## ● Part Number

FBG-99-1550-1000-0.2-FA-AP

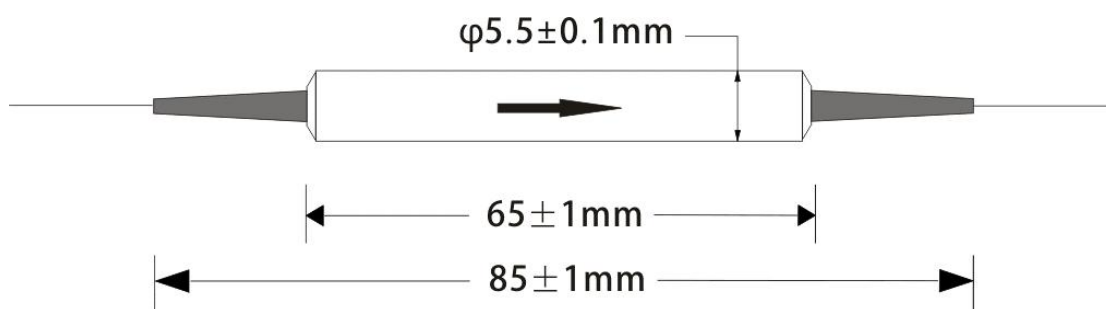
## ● Product features

100G/50G channel spacing、 Low insertion loss、  
 Excellent channel isolation

## ● Application area

Local area network and backbone network、 Dense wavelength division  
 multiplexing network、 Wavelength reference

## Dimensional Drawing



## Technical Parameters

Parameters	Value
Wavelength range	1550nm+/-0.05nm
Reflection bandwidth @3dB	1nm+/-0.05 (125G)
Insertion loss	<0.2dB
Isolation	>10dB
Reflectivity	>95%
Polarization-dependent loss	<0.1dB
Wavelength drift	<0.1nm from -5 degree to 70 degree
Fiber type	SMF-28 Compatible
Package dimensions	5.5mm(Dia.) *65mm
Storage temperature	-40℃ ~ +85℃

## Thermal stability

