



# 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.

- **Product features**

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

## ● Part Number

MP-FBG-1550-1-95-S

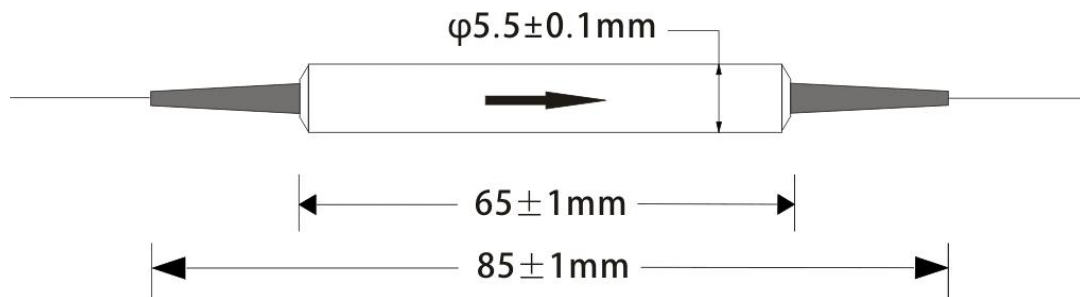
## ● Application area

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

## ● Core parameters

Wavelength range	Reflectivity	Fiber type
1550nm+/-0.05nm	>95%	SMF-28 Compatible

## ● Dimension Drawing



## ● General Parameters

### Technical Parameters

Parameters	Value
Wavelength range	1550nm+/-0.05nm
Reflection bandwidth @3dB	1nm+/-0.05 (125G)
Insertion loss	<0.2dB



Parameters	Value
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°C ~+85°C

## Thermal stability

