

## FBG Filter 100GHz 1062nm



### ● Product Description

Fiber Bragg Grating (FBG) is a widely used component in optical communications. FBG functions as a narrowband filter in optical fibers. The Bragg grating is imprinted in the fiber using a holographic process. They can be produced using standard single-mode fibers or special fibers, such as radiation mode suppression fibers, which are designed to reduce cladding mode losses.

## ● Product features

**For 2.5 Gbps and 10 Gbps DWDM system technology 、 ASE screening 、 100 GHz and 50 GHz Channel Spacing Add-Drop Multiplexer**

## ● Part Number

**MP-FBG-BP-1062-75-FA**

## ● Application area

**DWDM technology for 2.5 Gbps and 10 Gbps systems 、 ASE filtering 、 Multiplexers for 100 GHz and 50 GHz channel spacing**

## ● Core parameters

Center Wavelength	Passband Bandwidth
<b>1062±0.1nm</b>	<b>±75pm</b>

## ● General Parameters

### Parameters

Parameters	Advanced	Standard
Wavelength	800..1620 nm	1280..1340nm;1520..1620 nm
Reflectivity		5..99.99%
FWHM		50GHz/100GHz/200GHz spacing (Customizable)
Passband bandwidth		>+/-0.12 nm
Insertion loss		<0.1dB
PDL		<0.2dB
SNR adjusted channel	>25dB	>20 dB
SNR non-adjusted channel	>30dB	>25 dB
Terminal connection type	Bare fiber, FC/PC, FC/APC, ST, SC/PC, SC/APC, DIN, SMA	
Packaging	3mm standard tube, 9mm athermal, boxed	
Operating temperature	0°C..70°C	

### Spectral and Delay Characteristics (50 GHz Spacing)

