

## 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
$1062 \pm 0.1 \text{nm}$	$\pm 75 \text{pm}$

## ● 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	<0.1 dB	
PDL	<0.2 dB	
SNR adjusted channel	>25 dB	>20 dB
SNR non-adjusted channel	>30 dB	>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)

