



FBG Filter of 50GHz 1550nm



● Product Description

Fiber Bragg gratings are widely used components in optical communications. FBGs act as narrowband filters in optical fibers. Bragg gratings are printed in optical fibers by a holographic process. They can be produced either with standard single-mode fibers or with special fibers, namely radiation-mode suppressed fibers used 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-1550-120-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
1550±0.1nm	±120pm

● General Parameters

Parameter	Advanced	Standard
Wavelength	800 .. 1620nm	1280 .. 1340nm; 1520 ..1620nm
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 Adjust Channel	>25 dB >20 dB	
SNR Non-adjusted channels	>30 dB >25 dB	
Terminal connection method	Bare fiber, FC/PC, FC/APC, ST, SC/PC, SC/APC, DIN, SMA	
Encapsulation	3mm standard tube, 9mm athermal , boxed	
Operating temperature	0° .. 70°	

Spectrum and delay characteristics (50 GHz spacing)

