

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.

● Part Number

AOS-FBG-1550-50-120-FC/APC

● Product features

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

Parameters

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)

