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## FBG For Sensor

Fiber Bragg gratings are basic components for a wide range of applications in the areas of telecommunications, lasers and sensors. With excellent ap technologies, DK Photonics can offer high quality FBG to meet different requirements from customers.



Name: FBG For Sensor

Class: FBG Products

Type: [Fiber Bragg Grating Products](#)

Price: *As low as*

**Inquire Now**

## High power Components

## PM Components

### Circulator & Isolator

## 1064nm Components

## Pump Combiner

## Fused Products

## WDM Products

Hybrid Device for EDFA

## FBG Products

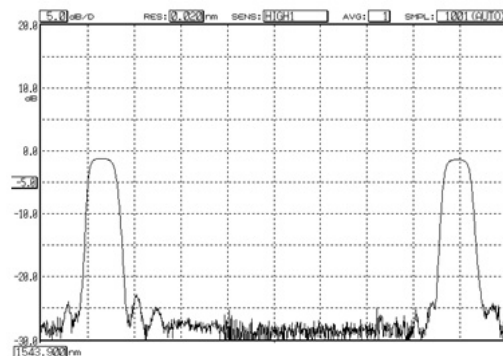
## Patchcord & Attenuator

## Features

High stability and reliability  
Length Customized grating  
Apodized

## Applications

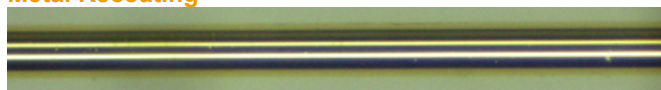
- Healthy monitoring
- Energy monitoring
- ASE filtering



## Specifications

Parameters	Values			
Center Wavelength(nm)	1510 ~ 1590			
FBG Profile	Apodized			
Wavelength Tolerance(nm)	±0.5			
FBG Length(mm)	3	5	10	15
Reflectivity	≥70%	≥75%	≥90%	≥90%
Bandwidth (at -3dB)(nm)	≤0.7	≤0.7	≤0.3	≤0.3
SLSR(dB)	≥10			≥15
Recoating	Acrylate, Polyimide or Metal			
Proof Test(Kpsi)	≥100			
Fiber Type	SMF-28e Or Polyimide Fiber(OFS BF04446)			
Fiber Termination	Bare Fiber, FC/UPC, Or FC/APC			
Pigtail Length	1 meter (Typical)			
Operating temperature(°C)	SMF-28 fiber: -40 ~ 120; Polyimide Fiber: -40 ~ 300			

## Metal Recoating



Parameters	Unit	Values
Maximum metalized length	mm	40

Thickness of metal recoating	μm	3-4
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Our Products:

- FWDM

980/1550nm WDM

CWDM

DWDM

Mini CWDM

1064nm Bandpass Filter
- Circulator

Isolator

Fused Coupler

Fused WDM

Pump Combiner
- PM Circulator

PM Isolator

PBC/PBS

PM WDM

PM Coupler
- 1064nm High Power Isolator


980nm High Power Isolator


High Power Circulator


Pump Laser Protector


Fiber End Caps/Cladding Power Stripper

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