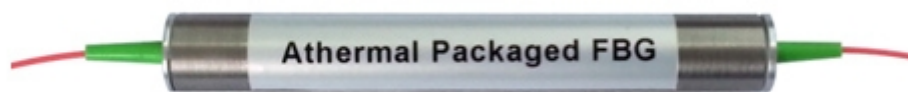# Athermal Packaged FBG

1th Description

FBG is the key component that acts as a rejection filter in telecommunications. The center wavelength of FBG is very sensitive to changes of temperature or strain. The package is used by the technology of temperature compensation to make the wavelength very stable.

2ND .Feathure

100G/50G Channel Spacing
Low Insertion Loss
Excellent Channel Isolation

3rd .Application

●FBG's for 50/100/200 GHz DWDM applications

●Wavelength referenced FBG's

●Add/Drop-multiplexers for 100GHz and 50GHz channel spacing

●Laser wavelength stabilising FBG

4th .Specifications

Parameters	Values
Wavelength	C Band Or C+L Band Or 980nm Band
Bandwidth @3dB	>0.2nm
Insertion	<0.2dB
SLSR	>15dB
PDL	<0.1dB
Wavelength Shift	<0.08nm from -5 degree to 70 degree
Fiber Type	SMF-28 Compatible
Dimension	12mm(Dia.) * 87mm
Storage	-40℃ ~ +85℃

5th.Thermal Characteristic