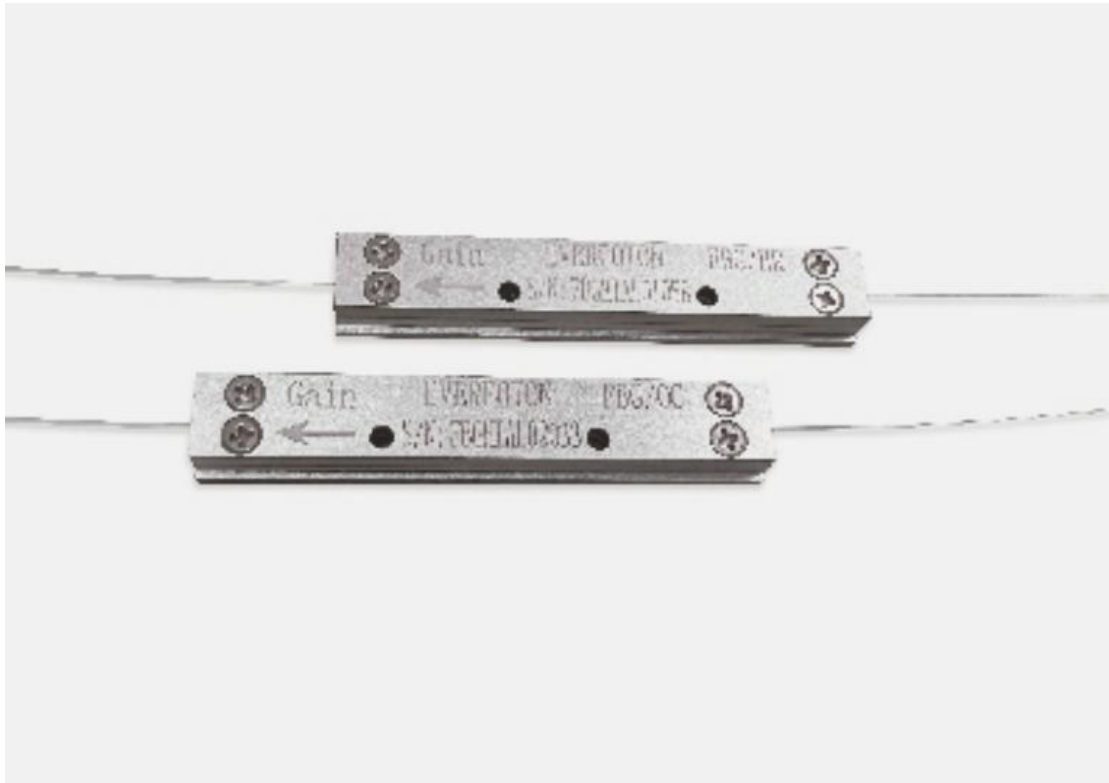


1079-1081nm OC type high power fiber Bragg grating 25/400um



● Product Description

The fiber grating used in fiber lasers is made by forming a periodic refractive index modulation in the core of the optical fiber through ultraviolet exposure. This modulates the signal light in the fiber and is an essential component in fiber lasers.

● Part Number

FBG-1080-010-10-S1212-O/Y

● Product features

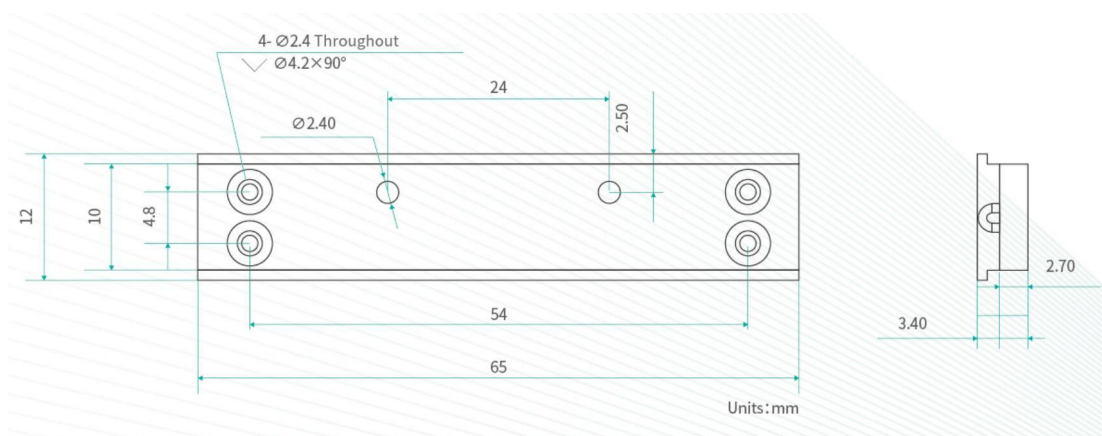
Temperature rise coefficient under 915nm pump light conditions is less than

0.01°C/W 、 Available center wavelengths: 1060nm, 1064nm, 1068nm, 1070nm, and 1080nm、 Available bandwidth range: 0.05nm to 4nm、 Center wavelength error for high and low reflection gratings is less than 0.2nm、 Fiber type and grating parameters can be customized according to customer requirements

● Application area

Fiber lasers in various fields、 Material processing such as marking, welding, and cutting

● Dimensional Drawing



General Parameters

Product Specifications 1

10/130 Type FBG

PN#	FBG-1064-995-25-J0505-H	FBG-1064-100-10-J0505-O
Grating Type	HR	OC
Central Wavelength (nm)	1064±1	
Peak Reflection (%)	≥ 99.5	10 ± 2
PN#	FBG-1064-995-25-J0505-H	FBG-1064-100-10-J0505-O
3dB Bandwidth (nm)	2.0 ~ 3.0	0.6 ~ 1.0

Wavelength Mismatch (nm)	< 0.2
Side Lobe Suppression (dB)	> 10
Fiber Type	GDF-10/130 or customer-specific
Signal Light Tolerance (W)	100
Packaging Structure	Low refractive coating
Pigtail Length	0.5 meters each side or customer-specific

Product Specifications 2

14/250 Type FBG

PN#	FBG-1080-995-30-R1212-H/X	FBG-1080-010-10-R1212-O/Y
Grating Type	HR	OC
Central Wavelength (nm)	1079 ~ 1081	1079 ~ 1081
Peak Reflection (%)	≥ 99.5	10 ± 2
3dB Bandwidth (nm)	2 ~ 4	1 ± 0.2
Wavelength Mismatch (nm)	< 0.2	
Side Lobe Suppression (dB)	> 10	
Fiber Type	GDF-14/250 or customer-specific	
Signal Light Tolerance (W)	1500	
Packaging Structure	Heat dissipation packaging / Low refractive coating	
Pigtail Length	1.2 meters each side	

Product Specifications 3

20/400 Type FBG

PN#	FBG-1080-995-30-H1212-H/X	FBG-1080-010-10-H1212-O/Y
Grating Type	HR	OC
Central Wavelength (nm)	1079 ~ 1081	1079 ~ 1081
Peak Reflection (%)	≥ 99.5	10 ± 2
3dB Bandwidth (nm)	2 ~ 4	1 ± 0.2
Wavelength Mismatch (nm)	< 0.2	

PN#	FBG-1080-995-30-H1212-H/X	FBG-1080-010-10-H1212-O/Y
Side Lobe Suppression (dB)	> 10	
Fiber Type	GDF-20/400 or customer-specific	
Signal Light Tolerance (W)	3000	
Packaging Structure	Heat dissipation packaging / Low refractive coating	
Pigtail Length	1.2 meters each side	

Product Specifications 4

25/400 Type FBG

PN#	FBG-1080-995-30-S1212-H/X	FBG-1080-010-10-S1212-O/Y
Grating Type	HR	OC
Central Wavelength (nm)	1079 ~ 1081	1079 ~ 1081
Peak Reflection (%)	≥ 99.5	10 ± 2
3dB Bandwidth (nm)	2 ~ 4	1 ± 0.2
Wavelength Mismatch (nm)	< 0.2	
Side Lobe Suppression (dB)	> 10	
Fiber Type	GDF-25/400 or customer-specific	
Signal Light Tolerance (W)	4000	
Packaging Structure	Heat dissipation packaging / Low refractive coating	
Pigtail Length	1.2 meters each side	