

## FIBER BRAGG GRATING (FBG) - SENSOR (1510~1590nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Value
Wavelength		nm	1510~1590
Wavelength deviation		nm	±0.5
Reflection		%	1%-99% (Customizable)
3dB Bandwidth	Max	nm	0.25
Anti-pull strength		Min	kpsi
Side mode suppression ratio	Apodized	Min	dB
	Uniform	Min	dB
FBG length		mm	10
Coating		-	Acrylate
Fiber Type		-	SMF-28 or Polyimide Fiber
Fiber length		-	Customizable

### Ordering Information

Contact Ascentta with your custom configuration needs.

FBG-S	Wavelength	Bandwidth (3dB)	Profile	Grating (G or R)	Coating	Fiber Type	Fiber Length	Fiber Length	Connector	Connector
FBG-S	1510=1510nm	002=0.2nm	A=Apodized	Length	A=Acrylate	B=SMF-28	10=1.0m	10=1.0m	NE= None	NE= None
	1530=1530nm	020=2.0nm	U=Uniform		N=Uncoated	250um	15=1.5m	15=1.5m	FA=FC/APC	FA=FC/APC
	1550=1550nm	200=20nm	X=Others	G2=2mm	G=Glass	L=SMF-28	20=2.0m	20=2.0m	FC=FC/PC	FC=FC/PC
	1570=1570nm	X=Others		G3=3mm	X=Others	900um	30=3.0m	30=3.0m	SA=SC/APC	SA=SC/APC
	X=Others		X=Others	X=Others	GX=Xmm	Reflection	X=Others	X=Others	X=Other	SC=SC/PC
		ST=ST/PC			ST=ST/PC					
LA=LC/APC		LA=LC/APC								
								LC=LC/PC	LC=LC/PC	
									X=Others	X=Others

### Typical Curve:

