

## 1550nm SM Polyimide Coated Apodized FBG

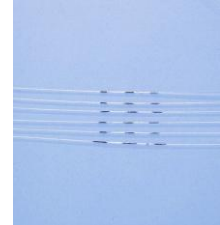
1550nm SM Polyimide Coated Apodized FBG is special designed for application applied in high temperature environment by polyimide coated on the FBG, the operating can be up to 300°C, it's widely used in fiber optic sensor in temperature field, the parameter can be customized upon request.

### Application:

Fiber Optic Sensor  
DTS System  
Wavelength Filter  
Lab And Research

### Features:

Low Insertion Loss  
High Temperature  
Reflectivity Optional  
High Realibility & Stability

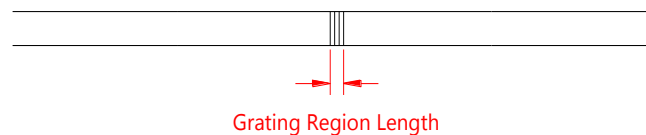


### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1510-1590	nm
Tolerance		$\pm 0.5$	nm
Min. Reflectivity		90	%
Max. 3dB Bandwidth		0.5	nm
Min. SMSR	SMSR	15	dB
Grating Regions Length		2, 3, 4, 5, 6, 8, 10, 15 or specify	mm
Min. Tensile Strength		100	kpsi
Fiber Type		SMF-28e Fiber or specify	-
Coating		Polyimide	-
Operating Temperature	T	-40~300	°C
Storage Temperature	T	-40~300	°C
Package Dimension			mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

### Drawing:



### Ordering Information (Part Number):

SPAFBG- <b>WWWW</b> - <b>GG</b> - <b>RR</b> - <b>FF</b> - <b>LL</b> - <b>CC</b>					
<b>WWWW</b>	<b>GG</b>	<b>RR</b>	<b>FF</b>	<b>LL</b>	<b>CC</b>
Wavelength	Grating Regions Length	Reflectivity	Fiber Type	Fiber Length	Connector
1510 - 1510nm	01 - 1mm	10 - 10%	S1 - SMF-28e	05 - 0.5m	NE - None
1530 - 1530nm	05 - 5mm	90 - 90%	GD - G652D	08 - 0.8m	FA - FC/APC
1550 - 1550nm	10 - 10mm	SS - Specify	GA - G657A	10 - 1.0m	FU - FC/UPC
1570 - 1570nm	20 - 20mm		GB - G657B	15 - 1.5m	SA - SC/APC
SSSS - Specify	SS - Specify		SS - Specify	20 - 2.0m	SU - SU/APC
				SS - Specify	LA - LC/APC
					LU - LC/UPC
					SS - Specify