

1550nm PM Apodized FBG

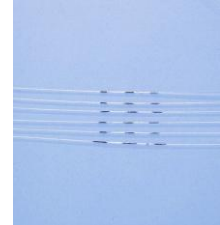
1550nm PM Apodized FBG is built with Polarization Maintaining (PM) fiber, it's widely used in the coherence detection fiber optic sensor field, PM fiber can keep the state of polarization maintaining, which can improve signal-to-noise ratio of the systems, the parameter can be customized upon request.

Application:

Fiber Optic Sensor
Coherence Communication
Wavelength Filter
Lab And Research

Features:

Low Insertion Loss
High SMSR
Reflectivity Optional
High Realibility & Stability

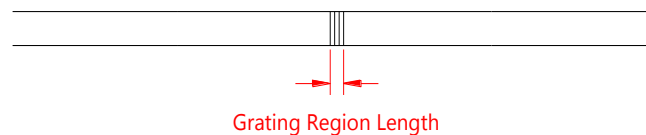


Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1510-1590	nm
Tolerance		± 0.5	nm
Min. Reflectivity		1-90	%
Max. 3dB Bandwidth		0.5	nm
Min. SMSR	SMSR	15	dB
Grating Regions Length		10, 15, 20 or specify	mm
Min. Tensile Strength		100	kpsi
Fiber Type		PM 1550 Panda Fiber or specify	-
Coating		UV Cured Acrylate	-
Operating Temperature	T	-20~75	$^{\circ}\text{C}$
Storage Temperature	T	-40~85	$^{\circ}\text{C}$
Package Dimension			mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$.
Slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMAFBG- WWWW - GG - RR - FF - LL - CC					
WWWW	GG	RR	FF	LL	CC
Wavelength	Grating Regions Length	Reflectivity	Fiber Type	Fiber Length	Connector
1510 - 1510nm	10 - 10mm	01 - 1%	PM - PM 1550 Fiber	05 - 0.5m	NE - None
1530 - 1530nm	15 - 15mm	90 - 90%	SS - Specify	08 - 0.8m	FA - FC/APC
1550 - 1550nm	20 - 20mm	SS - Specify		10 - 1.0m	FU - FC/UPC
1570 - 1570nm	SS - Specify			15 - 1.5m	SA - SC/APC
SSSS - Specify				20 - 2.0m	SU - SU/APC
				SS - Specify	LA - LC/APC
					LU - LC/UPC
					SS - Specify