

1200-1600nm Long Period Fiber Grating

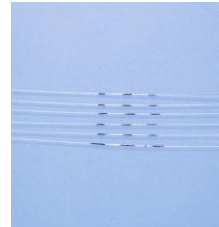
1200-1600nm Long-period fiber grating is a kind of fiber grating based on the coupling between the fundamental mode of the core and the cladding mode transmitted in the same direction, it features low reflectivity, wide band, high sensitivity of refractive index change, it's widely used in EDFA Gain Flat, Fiber Optic Sensor system, the parameters can be customized.

Application:

Fiber Optic Sensor
EDFA
Notch Band Filter
Lab And Research

Features:

Low Insertion Loss
Low Reflectivity
Reflectivity Optional
High Realibility & Stability

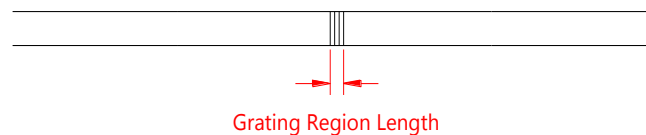


Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1200-1600	nm
Tolerance		± 0.5	nm
Max. Insertion Loss	IL	0.5	dB
Max. 3dB Bandwidth		1, 3, 5, 10 or specify	nm
Grating Period		550	um
Grating Regions Length		20, 25, 30 or specify	mm
Min. Tensile Strength		100	kpsi
Fiber Type		SMF-28e Fiber or specify	-
Coating		None	-
Operating Temperature	T	-20~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension			mm

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

Drawing:



Ordering Information (Part Number):

LPFG- WWWW - BB - GG - FF - LL - CC						
WWWW	BB	GG	FF	LL	CC	
Wavelength	Bandwidth	Grating Regions Length	Fiber Type	Fiber Length	Connector	
1310 - 1310nm	01 - 1nm	20 - 20mm	S1 - SMF-28e	05 - 0.5m	NE - None	
1550 - 1550nm	03 - 3nm	25 - 25mm	GD - G652D	08 - 0.8m	FA - FC/APC	
SSSS - Specify	05 - 5nm	30 - 30mm	GA - G657A	10 - 1.0m	FU - FC/UPC	
	10 - 10nm	SS - Specify	GB - G657B	15 - 1.5m	SA - SC/APC	
	SS - Specify			SS - Specify	20 - 2.0m	SU - SU/APC
					SS - Specify	LA - LC/APC
					LU - LC/UPC	
					SS - Specify	