

1545nm High Power Chirped FBG

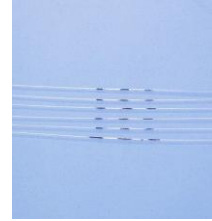
1545nm High Power Chirped FBG is built for high power laser or amplifier systems, it can be used for dispersion compensation and filter out the ASE noise for the systems, compared to the Uniform FBG, Chirped FBG has a wider bandwidth, it can withstand higher optical power. The parameter can be customized upon request.

Application:

Fiber Laser
EDFA
Fiber Optic Sensor
Lab And Research

Features:

Low Insertion Loss
High Power
High SMSR
High Reliability & Stability

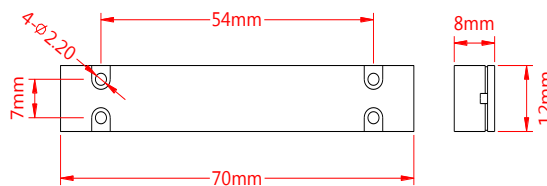


Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1545		nm
Tolerance		$\pm 1, \pm 0.5, \pm 0.02$ or specify		nm
Wavelength matching accuracy		0.2		nm
Filter Type		High Reflector	Output Coupler	-
Reflectivity		99-99.9 (± 2)	6-98 (± 2)	%
Max. 3dB Bandwidth		1-4	0.3-4	nm
Bandwidth Tolerance		± 0.1	± 0.1	nm
Min. SMSR	SMSR	20	10	dB
Grating Regions Length		1-30		mm
Max. Handling Power	P	10, 30, 50, 100, 500		W
Min. Tensile Strength		100		kpsi
Fiber Type		20/400, 25/400 DC Fiber or specify		-
Recoating		UV Cured Acrylate		-
Operating Temperature	T	-20~75		$^{\circ}\text{C}$
Storage Temperature	T	-40~85		$^{\circ}\text{C}$
Package Dimension		Bare Fiber or 70x12x8		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$.

Drawing:



Ordering Information (Part Number):

HPCFBG-**WWWW**-**FF**-**BB**-**RR**-**HH**-**FF**-**LL**

WWWW	FF	BB	RR	HH	FF	LL
Wavelength	Filter Type	Bandwidth	Reflectivity	Handling Power	Fiber Type	Fiber Length
1545 - 1545nm	HR - High Reflector	0.3 - 0.3nm	06 - 6%	10 - 10W	20 - 20/400 DC Fiber	05 - 0.5m
1550 - 1550nm	OC - Output Coupler	01 - 1nm	98 - 98%	30 - 30W	25 - 25/400DC Fiber SS - Specify	08 - 0.8m
1553 - 1553nm		02 - 2nm	99 - 99%	50 - 50W		10 - 1.0m
1554 - 1554nm		03 - 3nm	99.9 - 99.9%	100 - 100W		15 - 1.5m
1555 - 1555nm		04 - 4nm	SS - Specify	500 - 500W		20 - 2.0m
1559 - 1559nm		SS - Specify		SS - Specify		SS - Specify
SSSS - Specify						