

1550nm High Power Uniform FBG

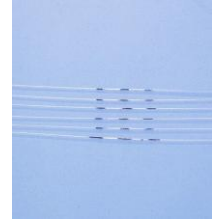
1550nm High Power Uniform FBG is built for high power laser or amplifier systems, it can be used for dispersion compensation and filter out the ASE noise for the systems, compared to the Chirped FBG, Uniform FBG has a narrow bandwidth, the handling power will be lower. The parameter can be customized upon request.

Application:

Fiber Laser
EDFA
Fiber Optic Sensor
Lab And Research

Features:

Low Insertion Loss
High Power
High SMSR
High Reliability & Stability

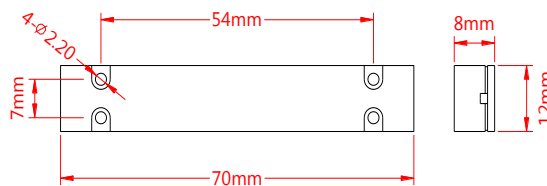


Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1550		nm
Tolerance		$\pm 1, \pm 0.5, \pm 0.1$ 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		0.2-0.7	0.1-0.3	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 or specify		-
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):

HPUFBG-**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
1310 - 1310nm	HR - High Reflector	Z2 - 0.2nm	06 - 6%	10 - 10W	20 - 20/400 DC Fiber	05 - 0.5m
1530 - 1530nm	OC - Output Coupler	Z3 - 0.3nm	98 - 98%	30 - 30W	25 - 25/400DC Fiber	08 - 0.8m
1535 - 1535nm		Z4 - 0.4nm	99 - 99%	50 - 50W		SS - Specify
1550 - 1550nm	Z5 - 0.5nm	99.9 - 99.9%	100 - 100W	15 - 1.5m		
1570 - 1570nm	Z6 - 0.6nm	SS - Specify	SS - Specify	500 - 500W	20 - 2.0m	
1575 - 1575nm	Z7 - 0.7nm				SS - Specify	
SSSS - Speicfy		SS - Specify				SS - Specify