

## 1027nm High Power Uniform FBG

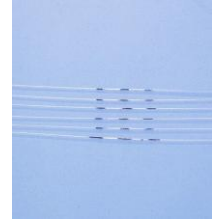
1027nm High Power Uniform FBG is built for high power laser or amplifier systems, it can be used for dispersion compensation and filter out the ASE noise for the systems, compared to the Chirped FBG, Uniform FBG has a narrow bandwidth, the handling power will be lower. The parameter can be customized upon request.

### Application:

Fiber Laser  
EDFA  
Fiber Optic Sensor  
Lab And Research

### Features:

Low Insertion Loss  
High Power  
High SMSR  
High Reliability & Stability

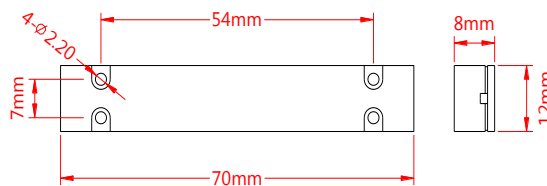


### Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	$\lambda$	1027		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 ( $\pm 2$ )	6-98 ( $\pm 2$ )	%
Max. 3dB Bandwidth		0.2-0.7	0.1-0.3	nm
Bandwidth Tolerance		$\pm 0.1$	$\pm 0.1$	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**

<b>WWWW</b>	<b>FF</b>	<b>BB</b>	<b>RR</b>	<b>HH</b>	<b>FF</b>	<b>LL</b>
Wavelength	Filter Type	Bandwidth	Reflectivity	Handling Power	Fiber Type	Fiber Length
1018 - 1018nm	HR - High Reflector	Z2 - 0.2nm	06 - 6%	10 - 10W	20 - 20/400 DC Fiber	05 - 0.5m
1027 - 1027nm	OC - Output Coupler	Z3 - 0.3nm	98 - 98%	30 - 30W	25 - 25/400DC Fiber	08 - 0.8m
1035 - 1035nm		Z4 - 0.4nm	99 - 99%	50 - 50W	SS - Specify	10 - 1.0m
SSSS - Specify		Z5 - 0.5nm	99.9 - 99.9%	100 - 100W		15 - 1.5m
		Z6 - 0.6nm	SS - Specify	500 - 500W		20 - 2.0m
		Z7 - 0.7nm		SS - Specify		SS - Specify
		SS - Specify				