1018nm High Power Chirped FBG

1018nm 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:

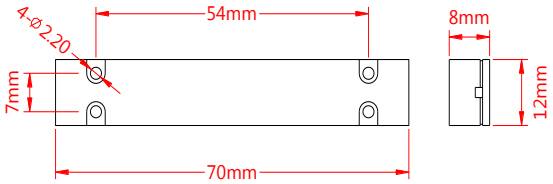
Low Insertion Loss
High Power
High SMSR
High Realibility & Stability

Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1018		nm
Tolerance		±1, ±0.5, ±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. Tensil Strength		100		kpsi
Fiber Type		20/400, 25/400 DC Fiber or specify		-
Recoating		UV Cured Acrylate		-
Operating Temperature	T	-20~75		℃
Storage Temperature	T	-40~85		℃
Package Dimension		Bare Fiber or 70x12x8		mm

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

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**
1018 - 1018nm SSSS - Specify	HR - High Reflector OC - Output Coupler	0.3 - 0.3nm 01 - 1nm 02 - 2nm 03 - 3nm 04 - 4nm SS - Specify	06 - 6% 98 - 98% 99 - 99% 99.9 - 99.9% SS - Specify	10 - 10W 30 - 30W 50 - 50W 100 - 100W 500 - 500W SS - Specify	20 - 20/400 DC Fiber 25 - 25/400DC Fiber SS - Specify	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify