

## High Power Fiber Gratings

### ☆Description

XHP high power fiber gratings feature all-fiber structured, high holding power, low insert loss, stable and reliable. The fiber gratings can be integrated into medium and high power fiber laser, fiber amplifier, and R&D test equipment.



### ☆Specifications

Parameters	units	High reflectivity fiber grating(HR)	Low reflectivity fiber grating(LR)
Operating wavelength	nm	1080	
bandwidth	nm	± 1	
Fiber type	um	DCF: 30/250, 20/400	
Numerical aperture	NA	0.06 / 0.46	
Reflectivity	%	>99	>10
FWHM	dB	3	1
Bandwidth tolerance	dB	±0.3	±0.1
SMSR	dB	≥ 10	
Package size	mm	Φ4×60mm, 70×12×8mm, 100×15×10mm	
Operating temperature	°C	0~+75	
Storage temperature	°C	-40~+85	

### ☆Ordering Information

Part number	Note	Options
XXX-XXX	Part type	XHP-FBG
XXXX	Operating wavelength	1080nm
XXX	Fiber type	<b>OF1</b> = DCF30/250 NA=0.06/0.46 <b>OF2</b> = DCF20/400 NA=0.06/0.46
XX	Reflectivity	<b>HR</b> =high reflectivity <b>LR</b> =low reflectivity
XXX	Fiber length	<b>L08</b> = 0.8m <b>L10</b> = 1.0m
XXX	Package size	<b>PS1</b> = aluminum box 70×12×8mm <b>PS2</b> = aluminum box 100×15×10mm <b>PS3</b> = steel tube Φ4×60mm

**Example:** XHP-FBG-1080-OF2-HR-L10-PS1

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