



ClearCut™ Fiber Bragg Grating Reflector for Ultrafast Lasers (UFCG Series)

The ClearCut™ fiber Bragg grating reflectors are components designed for ultrafast lasers without extra dispersion. With AFR's ClearCut™ design and special process, the devices have ultra low temperature slope and outstanding reliability. Custom configurations available.

Key Features

- Package Free Designing/Ultra Low Temperature Slope
- Flexible and Good Mechanical Performance
- No Extra Dispersion

Applications

- Picosecond Fiber Laser
- Laser Filter

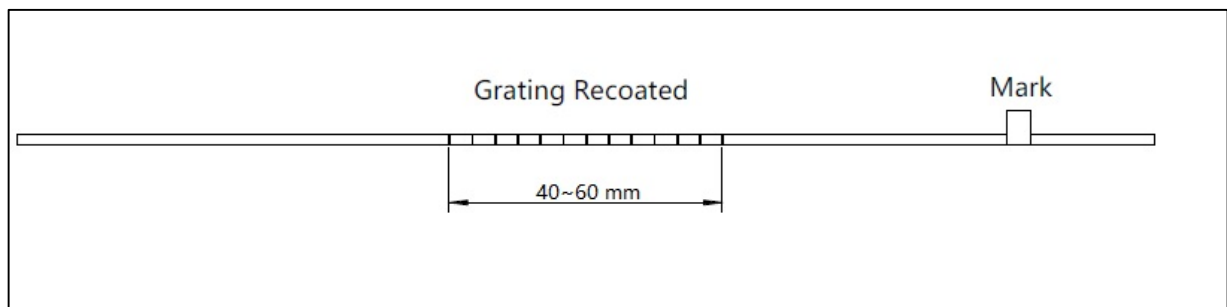
Specifications

Parameter	Unit	Value
Center Wavelength	nm	1030.0, 1064.3
Tolerance on Center Wavelength	nm	0.1
Peak Reflectivity	%	5~99%
Reflection Bandwidth (FWHM) ¹	nm	0.2~0.7
Tolerance on Reflection Bandwidth	nm	0.1
Min. Core Signal Power Handling	mW	500
Fiber Type ²		PM980, PM1060, PM10/125
Package Dimensions	mm	Recoated
Storage Temperature	°C	-40 to +85

1. The FWHM depends on the peak reflectivity

2. The fiber type could be customized

Package Dimensions



Ordering Information

UFCG-①①①①.①-②.②-③③-④

①①①①.①: Center Wavelength	②.②: Reflection Bandwidth	③③: Peak Reflectivity	④: Pigtailed Length (on Each Side)
1064.3 - 1064.3 nm	0.3 - 0.3 nm	05 - 5 %	Q - 0.75 m
SSSS.S - Specify	S.S - Specify	SS - Specify	1 - 1 m
			S - Specify

*ClearCut is a product trade mark of AFR representing an unique technology used in its FBG products.