



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

Rev11B

The ClearCut™ fiber Bragg grating reflectors are components designed for ultrafast lasers without extra dispersion. With AFR's ClearCut designing 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

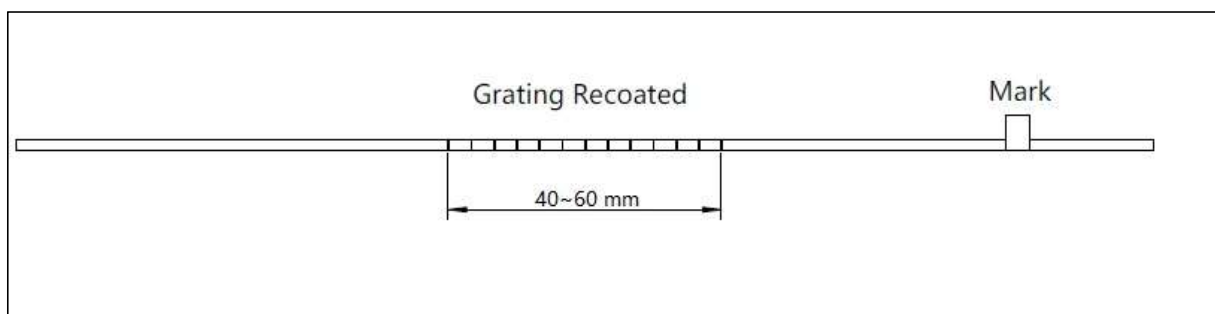
- Picosecond Fiber Laser
- Laser Filter

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1030.0,1064.3
Tolerance on Center Wavelength	nm	0.5
Peak Reflectivity ¹	%	≥ 5~99%
Reflection Bandwidth (FWHM) ²	nm	0.2~0.7
Tolerance on Reflection Bandwidth	nm	0.1
Min. Core Signal Power Handling	mW	500
Fiber Type ³		PM980, PM1060, PM10/125
Package Dimensions	mm	Recoated
Storage Temperature	°C	-40 to +85

1. The Peak Reflectivity could be customized
2. The FWHM depends on the peak reflectivity
3. The fiber type could be customized

Package Dimensions



Ordering Information

UFCG-①①①①.①-②.②-③③-④-⑤

①①①①.①: Center Wavelength

1064.3 - 1064.3 nm

SSSS.S - Specify

②.②: Reflection Bandwidth

0.3 - 0.3 nm

S.S - Specify

③③: Peak Reflectivity

05 - 5 %

SS - Specify

④: Fiber Type

1 - PM-98-025-NA-B, Corning

2 - Nufern, PM1060L, Double Cladding

3 - Nufern PLMA-GDF-10/125-M

S - Specify

⑤: Pigtails Length (on Each Side)

Q - 0.75 m

1 - 1 m

S - Specify

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