



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

Rev 11B

Description

The ClearCut Fiber Bragg Grating Reflectors are components designed for ultrafast lasers without extra dispersion. With AFR's ClearCut design and special process, the FBG have ultra low temperature slope and outstanding reliability. Custom configurations are available.

Key Features

- Low Temperature Slope
- Exceptional Reliability

Applications

- Ultrafast Laser

Specifications

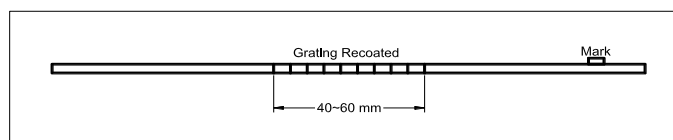
Parameter	Unit	Value
Center Wavelength	nm	1030.0, 1064.3
Tolerance on Center Wavelength	nm	± 0.5
Peak Reflectivity ¹	%	≥ 5 - 99%
Reflection Bandwidth (FWHM) ²	nm	0.2 - 0.7
Tolerance on Reflection Bandwidth	nm	0.1
Min. Core Signal Power Handling	mW	500
Fiber Type ³	-	PM980, PM1060, PM10/125
Package Dimensions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

¹The Peak Reflectivity could be customized.

²The FWHM depends on the peak reflectivity.

³The 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

¹ClearCut is a product trade mark of AFR representing an unique technology used in its FBG products.