



ClearCut™ Pulse Stretcher for Ultrafast Lasers (PSCG Series)

REV11C

Description

The ClearCut™ pulse stretchers are chirped fiber bragg gratings for ultrafast fiber lasers. With AFR's ClearCut designing and special process, the devices could provide large dispersion for pulse stretching and performance with outstanding reliability. Custom configurations available.

Key Features

- Large Dispersion for Pulse Stretching
- Ultra Low Temperature Slope
- Outstanding Reliability

Applications

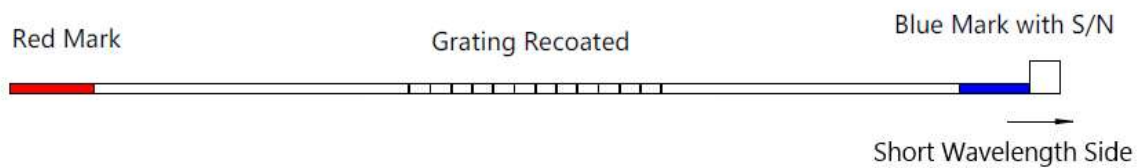
- Ultrafast Fiber Laser
- Pulse Stretcher

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1030
Tolerance on Center Wavelength	nm	1
Dispersion Parameter (D ₂) ¹	ps/nm	107.0 10.3
Reflection Bandwidth (FWHM)	nm	1 - 10 1 - 18
Tolerance on Reflection Bandwidth	nm	1
Peak Reflectivity	%	> 40
Total stretching windows	ns	Up to 1.0
PER	dB	≥ 20
Fiber Type ¹		PM980
Package Dimensions	mm	Recoated
Storage Temperature	°C	-40 to +85

¹The dispersion parameter and fiber type could be customized

Package Dimensions



Ordering Information

PSCG-①①①①-②②②.②-③③.③-④

①①①①: Center Wavelength

1030 - 1030 nm

SSSS - Specify

②②②.②: Dispersion Parameter

107.0 - 107 ps/nm

010.3 - 10.3 ps/nm

SSS.S - Specify

③③.③: Reflection Bandwidth

10.0 - 10.0 nm

SS.S - Specify

④: Pigtails Length (on Each Side)

Q - 0.75 m S - Specify

1 - 1 m

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