



ClearCut Pulse Stretcher for Ultrafast Lasers (PSCG Series)

Rev 11C

Description

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

Key Features

- Large Dispersion for Pulse Stretching
- Low Temperature Slope
- Exceptional Reliability

Applications

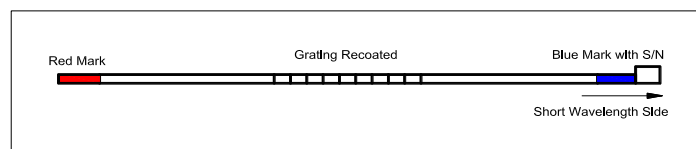
- Ultrafast Laser

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	
Polarization Extinction Ratio	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

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