



# ClearCut Tunable Chirped Fiber Bragg Grating for Ultrafast Lasers (TC-PSCG Series)

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## Description

The ClearCut Tunable Pulse Stretchers are used for ultrafast fiber lasers. With AFR's ClearCut unique process platform, the devices could provide large dispersion and outstanding reliability. By adjusting the TEC's temperature, dispersion is tunable. Custom configurations are available.

## Key Features

- Tunable Dispersion
- Stable Operation Design

## Applications

- High Power Ultrafast Fiber Lasers
- Pulse Stretcher

## Specifications

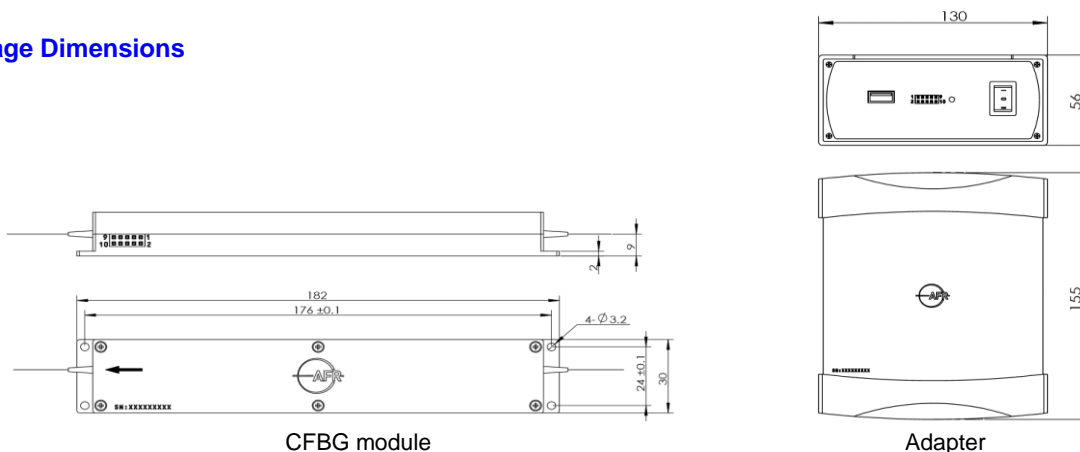
Parameter	Unit	Value
Center Wavelength <sup>1</sup>	nm	1030
Tolerance on Center Wavelength	nm	1
Peak Reflectivity	%	≥ 40
Reflection Bandwidth <sup>1</sup>	nm	1 - 10
Tolerance on Reflection Bandwidth	nm	1
D <sub>2</sub> Parameter <sup>1</sup>	ps/nm	107
Tolerance on D <sub>2</sub> Parameter	ps/nm	5
β <sub>3</sub> Parameter <sup>1</sup>	ps <sup>3</sup>	- 0.069
Fiber Type <sup>2</sup>	/	PM980
Operation Temperature <sup>3</sup>	°C	+ 25 to + 40
Storage Temperature	°C	- 40 to + 85
Package Dimensions	mm <sup>3</sup>	182 × 30 × 18 (CFBG module) 130 × 56 × 155 (Adapter)

<sup>1</sup>Parameter will deviate if temperature changed.

<sup>2</sup>Fiber type could be customized.

<sup>3</sup>The range of temperature could be modified in practical.

## Package Dimensions



## Ordering Information

TC-PSCG-①①①①-②②-③③③-④

①①①①: Center Wavelength	②②: Reflection Bandwidth	③③③: Dispersion Parameter	④: Pigtails Length
1030 - 1030 nm	10 - 10 nm	107 - 107 ps/nm	Q - 0.75 m
SSSS - Specify	SS - Specify	SSS - Specify	1 - 1 m
			S - Specify