



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

Rev 11

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

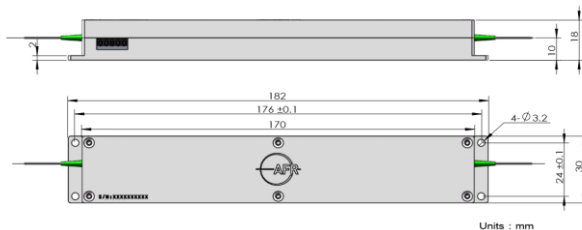
Parameter	Unit	Value
Center Wavelength ¹	nm	1030
Tolerance on Center Wavelength	nm	1
Reflectivity	%	≥ 40
Spectral Bandwidth ¹	nm	1 - 11
D ₂ Parameter ¹	ps/nm	112
β ₃ Parameter ¹	ps ³	- 0.069
Fiber Type ²	/	PM980
Operation Temperature ³	°C	+ 25 to + 40
Storage Temperature	°C	- 40 to + 85
Size	mm ³	182 × 30 × 18 (CFBG module) 125 × 51 × 120 (Adapter)

¹Parameter will deviate when temperature is changed

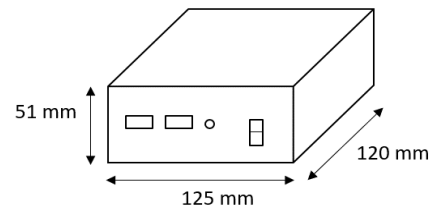
²Fiber type could be customized

³The range of temperature is modified in practical

Package Dimensions



CFBG module



Adapter

Ordering Information

TC-PSCG-①①①①-②②-③③-④

①①①①: Center Wavelength

1030 - 1030 nm

SSSS - Specify

②②: Spectral Bandwidth

10 - 10 nm

SS - Specify

③③: Dispersion Parameter

01 - 112 ps

SS - Specify

④: Pigtails Length

Q - 0.75 m

1 - 1 m

S - Specify