

NORTH PHOTONICS

[OEFBG-PSC]

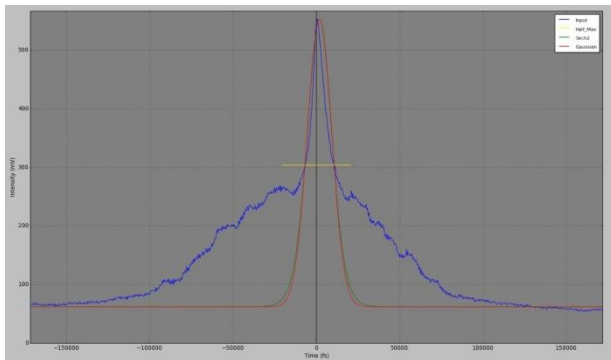
Pulse Stretching and Recompressing FBGs

Features:

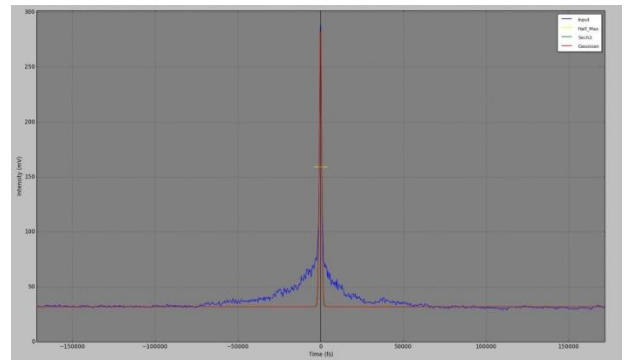
- Standard and Custom specification
- Large wavelength range selection
- Precise center wavelength matching
- High power handling

Applications:

- Ultra fast fiber laser system
- Dispersion management
- Industrial and biomedical
- Non-linear optics



Input pulse, FWHM=15 ps



Output pulse after ~ 11 ps/nm dispersion, FWHM=0.75 ps

Product description:

Optical pulse stretcher fiber Bragg grating is used to stretch pulse in chirped-pulse amplification (CPA) for effective optical pulse amplification. Pulse compressing fiber Bragg grating is used to compress pulse after power amplification step. For ultrafast fiber laser system, all fiber pulse stretcher and pulse compressing fiber Bragg grating are very important for low insertion loss and high system efficiency. North Photonics LLC has both standard and custom-made pulse stretching and pulse compressing fiber Bragg grating products.

Parameter	Unit	Specifications
Wavelength Range	nm	1030, 1064, 1550, 2000
Bandwidth	nm	1-20
Reflectivity	%	50-99
Input pulse width	ps	0.1-50
Output pulse width	ps	10-1000
Fiber Type	-	SM, PM, DCF
Package	-	Standard, High Power, Athermal

- All specifications are subject to change without notice

North Photonics LLC, L240, CESTM, 251, Fuller Road, Albany, NY, USA, 12203
Email: sales@northphotonics.com, Website: www.northphotonics.com

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Ordering number:

OEFBG-PSC	WL-BW-R-IP-OP-Pkg-C
Where:	WL: Center wavelength (nm) BW: Bandwidth (nm) R: Reflectivity (%) IP: Input pulse width (ps) OP: Output pulse width (ps) Pkg: N for no, S for standard, HP for high power, AT for athermal packaging C: Connector
Example:	OEFBG-PSC-1540.23-5.5-85-10-500-AT-FC/APC