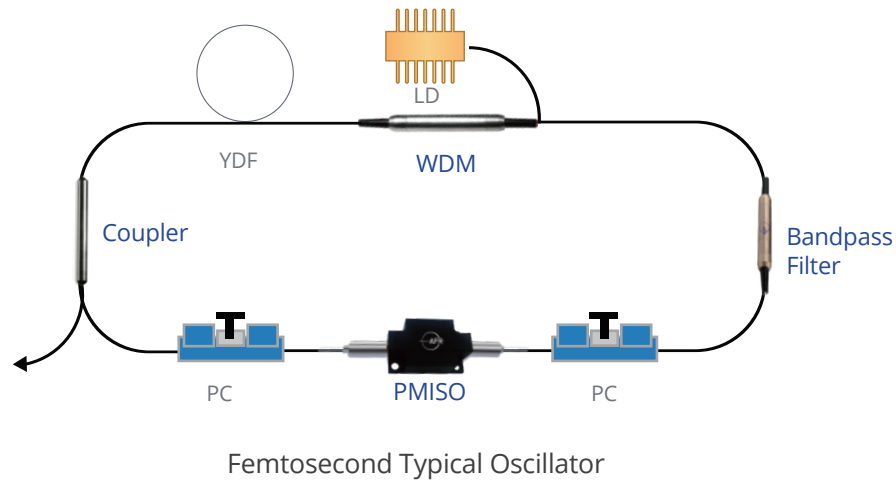
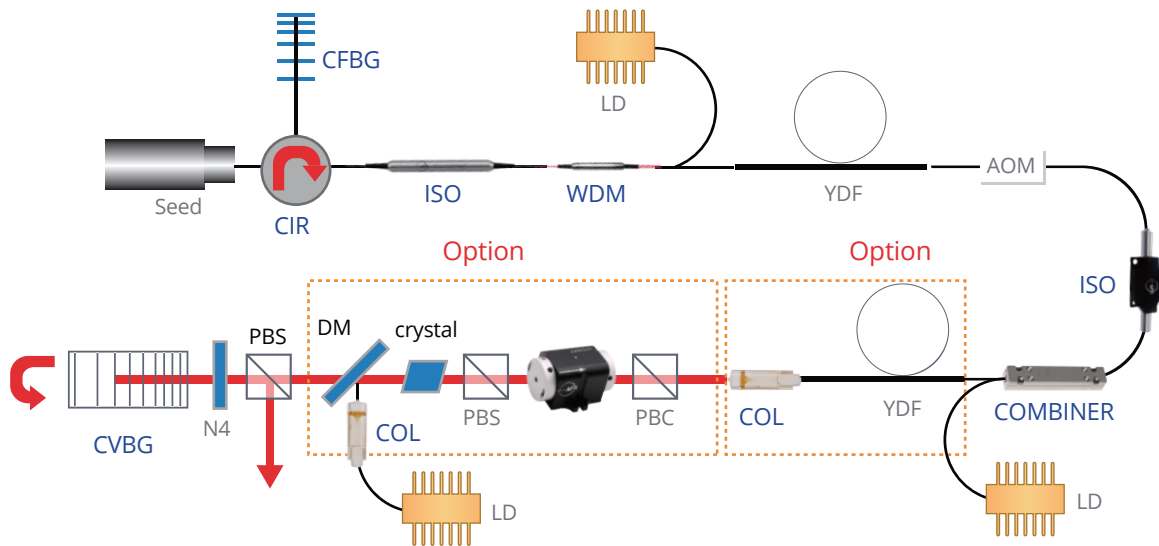


ULTRA-FAST LASERS APPLICATION



AFR 1030/1064nm Low Power Polarization Maintaining Components for Ultra-Fast Lasers

- WDM • Bandpass Filter • In-line Isolator • Collimator • Coupler
- Fiber Bragg Grating Reflector • Package Ability for SESAM



AFR 1030/1064nm Polarization Maintaining Components for Ultra-Fast Lasers

- 300mW-30W In-line Isolator
- 200W Free Space Isolator
- 300mW-30W Circulator
- 200W Collimator
- 5-10W WDM
- 200W Pump Combiner
- Chirped Fiber Bragg Gratings
- Components with Active Fiber

We can customize wavelength, power handling, fiber type, beam diameter, aperture, package size and any other parameters to suit your specific needs.

FEATURED PRODUCTS FOR ULTRA-FAST LASERS

ClearCut™ Pulse Stretcher for for Femtosecond Fiber Lasers



Parameter	Unit	Value
Center wavelength	nm	1030
Tolerance on center wavelength	nm	0.5
Peak reflectivity	%	> 60
Reflection bandwidth (FWHM)*	nm	1-10
Tolerance on reflection bandwidth	nm	0.1-1.0
D ₂ parameter	ps/nm	112.1, specified
Fiber type		PM 980, specified
Package dimensions	mm	Recoated or Packaged
Storage temperature	C	-40 to +85

*The FWHM depends on the peak reflectivity

ClearCut™ FBG Reflector for Picosecond Fiber Lasers



Parameter	Unit	Value
Center wavelength	nm	1030.0, 1064.3
Tolerance on center wavelength	nm	0.1
Peak reflectivity	%	5-99%
Reflection bandwidth (FWHM)*	nm	0.2-0.7
Tolerance on reflection bandwidth	nm	0.1
Min. core signal power handling	mW	500
Fiber type		PM 980, PM 1060, PM10/125, specified
Package dimensions	mm	Recoated
Storage temperature	C	-40 to +85

*The FWHM depends on the peak reflectivity

LaseGuard™ Free Space Isolator Series

Parameter	Unit	Value
Center wavelength (λ_c)	nm	Specified by ordering info
Peak transmission	%	> 95
Peak isolation	dB	> 30
Input polarization		Specified by ordering info
Output polarization		Specified by ordering info
Aperture	mm	2.8, 5, 8, 10
Damage threshold		10J / cm ² @10ns, 1J / cm ² @8ps
Operating temperature	°C	10 to 30
Storage temperature	°C	-40 to 70

