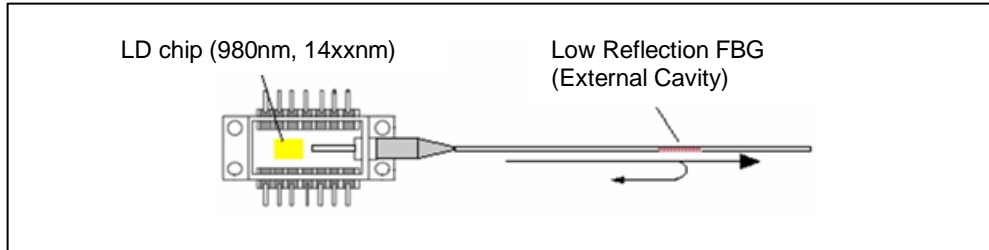


Optical Fiber Devices

Fiber Brag Grating	Pump LD Wavelength Stabilizer
Fused Coupler	Optical Fiber Coupler
	Polarization Beam Combiner



Pump LD Wavelength Stabilizer



Pump LD wavelength stabilizer is used for external cavity of pump Laser Diode. 980nm and 1420-1490nm wavelength ranges are available.

Features

- Compact Size (Same diameter as fiber itself)
*FBG portion is re-coated by UV resin.
- High reliability (Comply with GR-1209/1221 requirement)
- Polarization Maintaining (Optional)

Application

- 980nm LD stabilize (EDFA)
- 14xxnm LD stabilizer (Raman amplifier, EDFA)

Specification example

Parameters	Unit	Performance
Wavelength	nm	980 / 14xx wavelength band (Other wavelength is available)
Peak Reflectivity	%	1-15
Bandwidth (Full width half maximum)	nm	0.5-3.0
Spectral SLSR (Side Lobe Suppression ratio)	dB	> 10
Insertion Loss	dB	< 0.2
Center wavelength shift by temperature change	nm/°C	0.008 @980 nm / 0.013 @1480 nm (Typ.)
Operating Temperature	°C	0-70
Storage Temperature	°C	-20-+80
Fiber diameter and coating	–	250 μm UV cured acrylate resin
Fiber type	–	Fujikura SM (Corning® SMF-28® compatible) Fujikura PANDA Fiber (SM-98P, SM-14P) Corning® HI1060 / Compatible
Packaging	–	Re-coated (250 μm)



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Optical Fiber Coupler



Fujikura Optical Fiber Coupler is qualified with Telcordia GR-1221-CORE and GR-1209-CORE.

Features

- High reliability
- Low loss
- Low PDL
- Coupling ratio : 2%-50% (Available to adjust)

Application

- Submarine repeater
- Fiber Laser



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Polarization Beam Combiner

Fujikura Polarization Beam Combiners are produced by Fujikura fused taper technology. Fujikura PBC is qualified with Telcordia GR-1221-CORE and GR-1209-CORE.

Features

- Low loss
- High reliability

Application

- Combiner for pump LD



Contact us