



# FBG Mirrors

For Fiber Laser Cavity



Standard Product		1 μm Range (1.5 and 2 μm available)	
Parameters	Specifications	Accuracy	
Fiber type	Hi 1060, PM 980, Double clad 6/130, 7/200, 10/130, 20/200, 25/250, 20/400.		
Center wavelength	600 to 2100 nm	+ / - 1 nm	
Wavelength matching	+/- 0.2 nm (typical)	-	
Reflectivity HR	> 99% or > 99.9%	-	
FWHM bandwidth HR	0.5 to 1.5 (typical)	+ / - 20%	
Reflectivity LR	3% to 20 %	+ / - 1% € [4-10%] + / - 2% € [10-20%]	
FWHM bandwidth LR	0.1 to 1 nm (typical)	+/- 0.1 nm	
Recoating	acrylate 180 to 550 μm diameter low and high index		

## KEY FEATURES

- Single mode or double clad fiber
- Custom specifications available
- In house fiber
- High power application
- Specific recoating for pump guidance
- Full passive assembly available

## RELATED PRODUCTS

- Pump combiner
- Passive fiber
- Double clad fiber
- Other diameters or custom design on request

## ADVANTAGES OF DISSIPATIVE PACKAGE

- Thermal and mechanical shock protection for FBG mirrors and splices
- Highly reduced wavelength drift
- Compatible with up to 400 μm coating
- Residual pump light absorber

