



# FBM – Fiber Bragg Mirror

## Product Overview

- Bragg Mirror directly coated on a polarization maintaining single mode fiber for mode-locked laser applications.
- Large bandwidth
- Low dispersion
- Can be used as an output coupler
- Doesn't increase the cavity length
- Well suited for high repetition rate mode-locked lasers
- Can be combined with our Fiber Laser Oscillator Core Module (FMSPW) to build a femtosecond mode-locked laser for, e.g., 1560nm.

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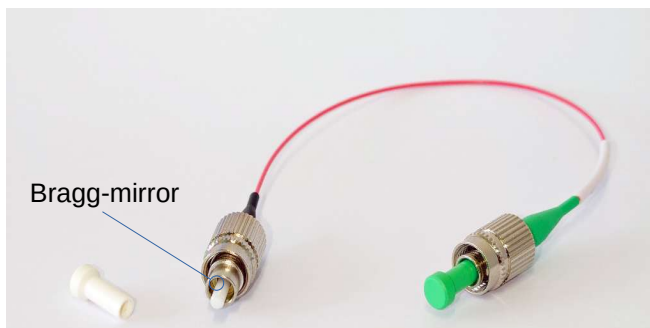
### FBM-1560-85-SM15PSU25-PC-35-0.9-APC

HR band: 1510 nm – 1610 nm  
Reflectance: 85 % ± 3 %  
Fiber type: Fujikura SM15-PS-U25D  
Connectors: FC/APC - FC/PC

### FBM-1560-85-PMESF7-PC-23-0.9-APC

HR band 1510 nm – 1610 nm  
Reflectance: 85 % ± 3 %  
Fiber type: Coherent PM-ESF-7/125  
Connectors: FC/APC

## Configurations



Standard configuration – Bragg mirror coated on a FC/PC connector



Alternative configuration – Bragg-mirror coated on the fiber end, butt coupled to another fiber, and mounted in a steel tube.

Bragg mirrors for other wavelength, reflectance, and / or fibers can be designed and delivered as well, please ask!

