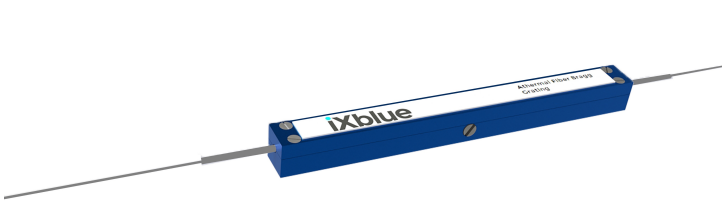
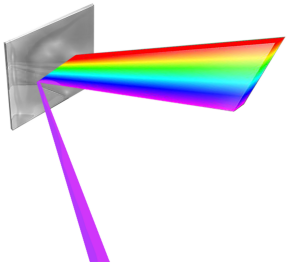
IXC-MIR

FBG-BASED MIRRORS BREAK INTO NEW WAVELENGTHS, NEW APPLICATIONS

Narrow filter at 400 to 600 nm





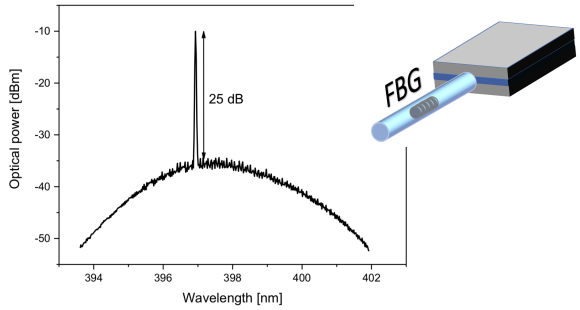
DESCRIPTION

In-fiber mirror based on Fiber Bragg Grating (FBG) technology photoimprinted into a single-mode fiber reach UV wavelengths. This new filter provides a narrow bandwidth solution as low as 30 pm in the short wavelength side of the visible spectrum without compromise on design flexibility. Custom wavelength and reflectivity response are proposed in regular and PM fibers.

KEY FEATURES & BENEFITS

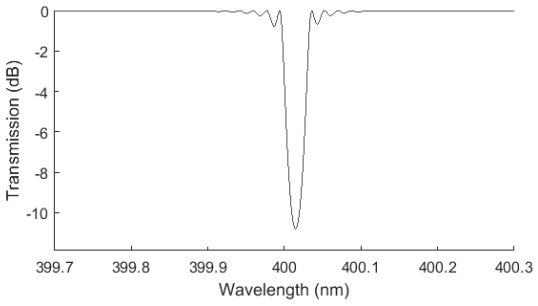
- Laser diode stabilization
- Spectral narrowing
- Single longitudinal mode selection
- Medical research
- Raman spectroscopy
- Data storage
- Visible light communications

SINGLE MODE SELECTION FROM InGaN LD



Narrow Linewidth InGaN Laser Diodes Based on External Cavity Fiber Bragg Grating , CB-3.4 – 17:00 (Room 13b ICM), CLEO/Europe-EQEC 2019 - Monday 24 June 2019

OPTICAL RESPONSE



SPECIFICATIONS

Fiber Type[1]	**2.1/125µm 0.13NA (400-550nm), 4/125µm 0.12NA (450-600nm)**
Wavelength Range[2]	**400 to 600 nm**
Peak Reflectivity	**4 to >90 %**
Reflection Bandwidth (FWHM)	**0.03 – 0.3 nm**
Grating protection	**Bare fiber, athermal package[3] 55 x 5 x 5 (mm)**
Fiber tail	**1 meter, each side of FBG (typical)**
Fiber end	**Optical connector, lensed fiber**
Operating temperature range	**-5 to 70 degC**

(1) Other types of fiber available upon request (PM fiber, other optical parameters)
(2) Other wavelengths available on our standard product offer
(3) In option : IXC-ATH-PKG datasheet upon request

To reach us at Laser World of Photonics: Hall B3, Booth #423/4