

FIBER BRAGG GRATING

IXC-MIR-2000-HP

High Power FBG Mirrors for Fiber Laser Cavity

Fiber Bragg Grating (FBG) mirrors is a critical component used to design laser cavity and are ideal for high power fiber lasers. Cavity mirrors based on FBG technology are key components for monolithic high brilliance CW fiber lasers. High and Low Reflection (HR/LR) mirrors are written in Exail specialty double-clad optical fiber to promote high performance, robust and reliable single mode Thulium fiber lasers.



High Power FBG mirrors are specifically designed for high power handling, optimized FBG writing process to ensure stability at high optical power.

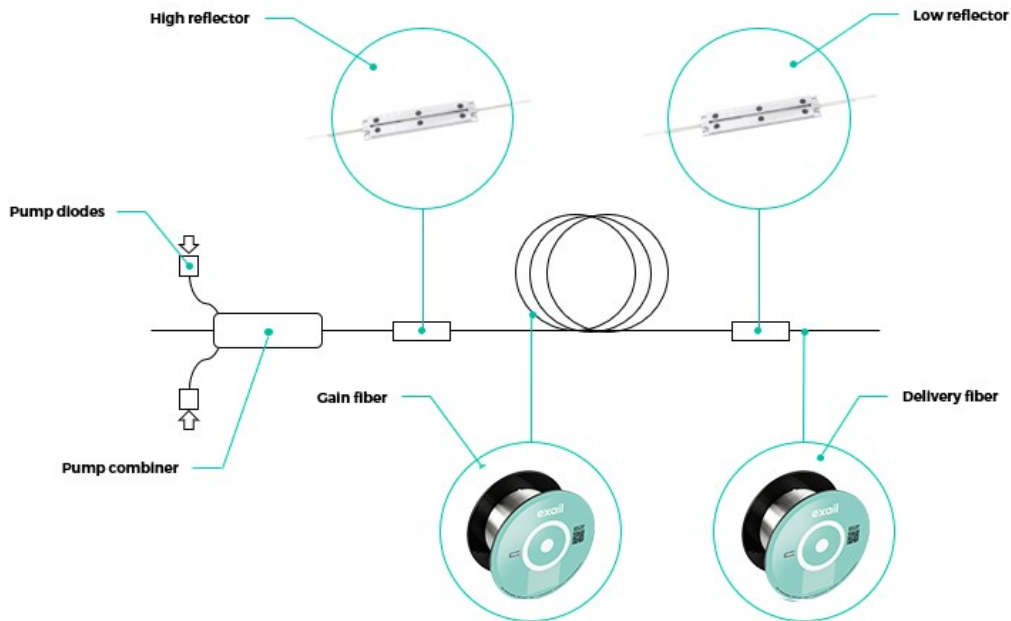
Exail offers a dissipative package for thermal management of the FBG to ensure stability at high optical power.

Benefits & Features

- Higher laser efficiency
- Custom design
- Accurate wavelength matching
- Precision matched passive to active fiber
- Heat dissipative package (IXC-DIS-PKG)
- Associated to Exail active fibers

Applications

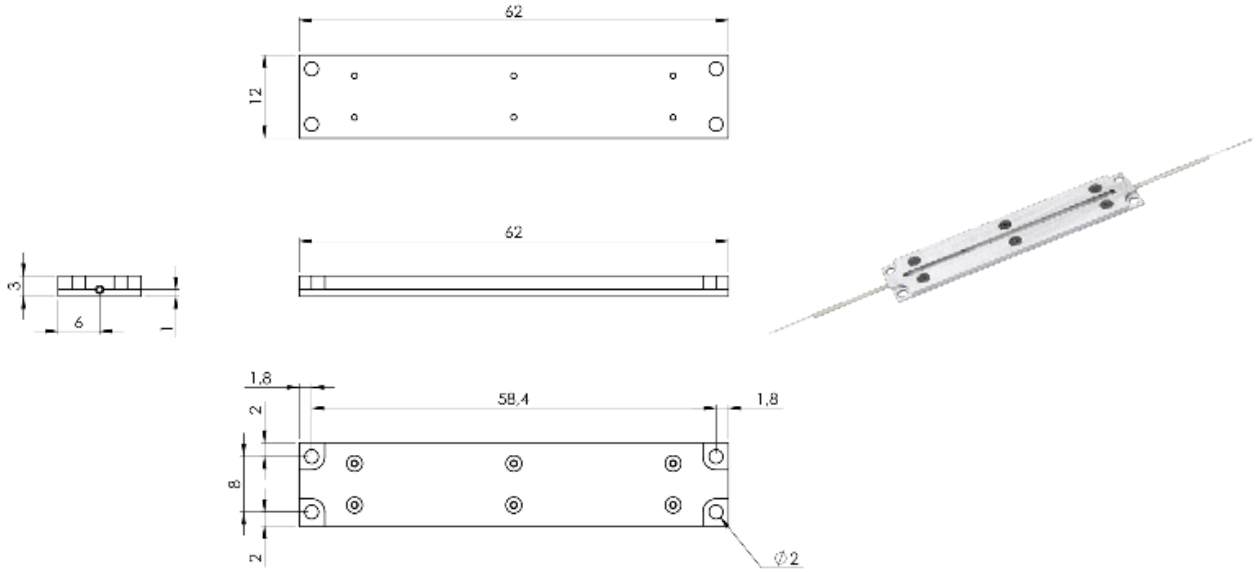
- High-power fiber laser
- Biomedical
- Industrial
- Non-linear optics



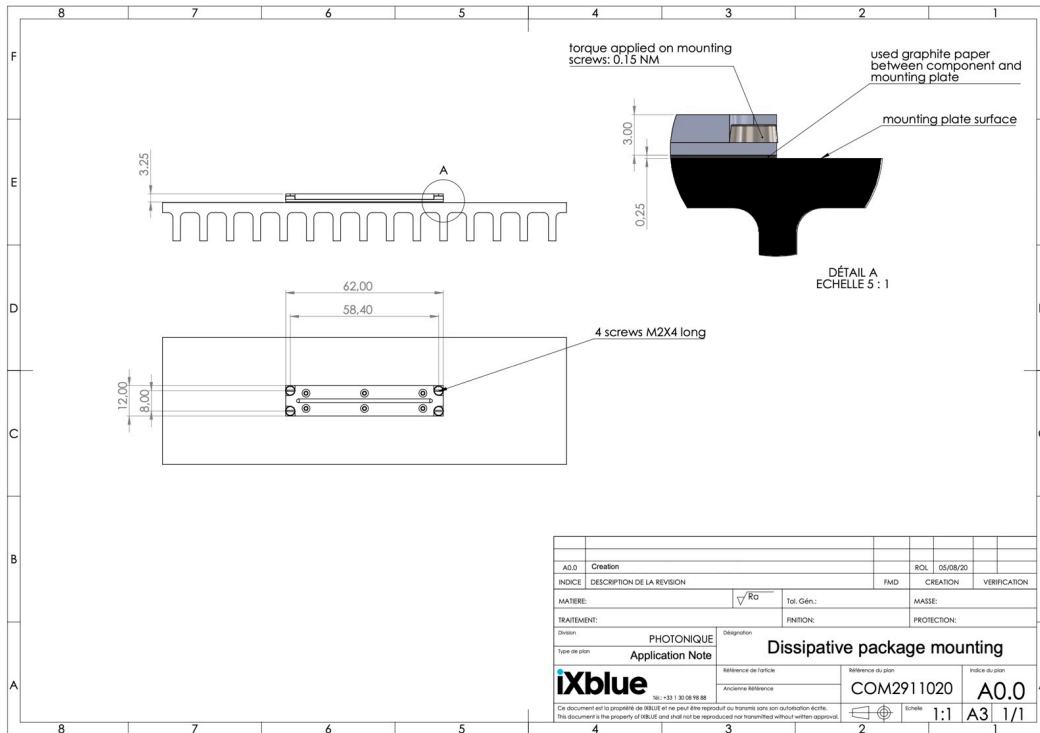
FBG configuration

IXC-DIS-PKG-V2
TECHNICAL SPECIFICATIONS
Heat dissipative packaging for high power laser mirror

Parameters



Configuration



PSD-L-G-E-086 L

IXC-MIR-2000-HP_ILMA_ecdB_06102022

Exail reserves the right to change, at any time and without notice, the specifications, design, function or form of its products described herein.

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