

## FIBER BRAGG GRATING

# IXC-MIR-1000-HP

## High Power FBG Mirrors for Fiber Laser Cavity

Fiber Bragg Grating (FBG) mirrors are the key component of laser cavity system. Based on High and Low Reflection (HR/LR), they are written in Exail specialty double-clad optical fiber to promote high performance, robust and reliable single-mode Ytterbium fiber lasers.

Dedicated to high power application, these FBG are specifically designed to handle several pump power, up to 3 kW thanks to an optimized writing process.

Heating is fully managed thanks to a very low temperature slope and thermal effect controlled using our dedicated heat dissipative package

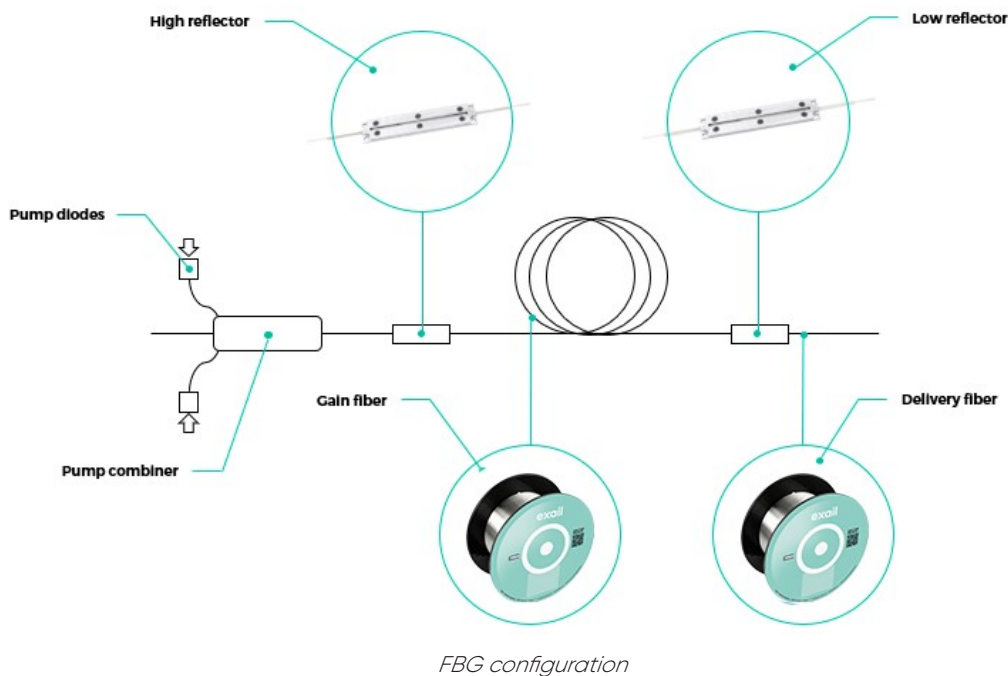


### Benefits & Features

- Higher laser efficiency
- Custom design
- Accurate wavelength matching
- Heat dissipative package (IXC-DIS-PKG)
- Standard and custom versions available

### Applications

- Direct Energy Laser
- Cutting & welding Fiber laser
- High Power Laser Cavity
- High Power Amplifier
- 1  $\mu\text{m}$  LIDAR

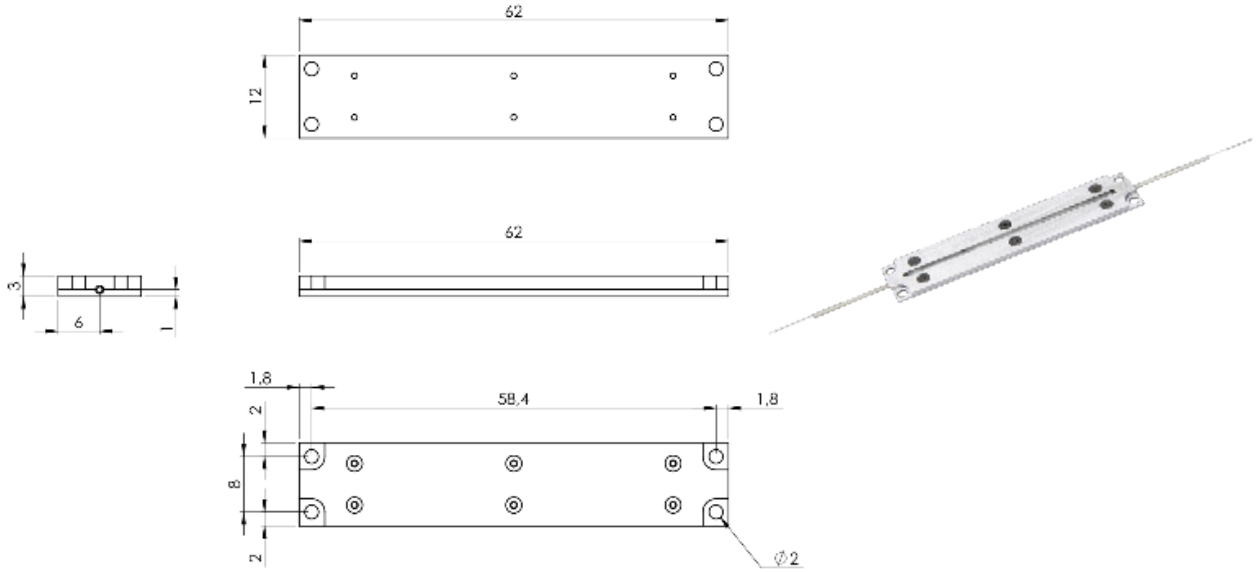


FBG configuration



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

**Parameters**



**Configuration**

ADJ	Creation	ROL	05/08/20
INDICE	DESCRIPTION DE LA REVISION	FMD	CREATION
MATERIE:	√ R0	Tot. Gén:	MASS:
TRAITEMENT:	FINITION:	PROTECTION:	
Type de plan: PHOTONIQUE Application Note		Désignation: Dissipative package mounting	
Référence de l'article: ixblue N°: 13 1 30 08 94 50		Référence au plan: COM2911020	Industrie: A0.0
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