

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, 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

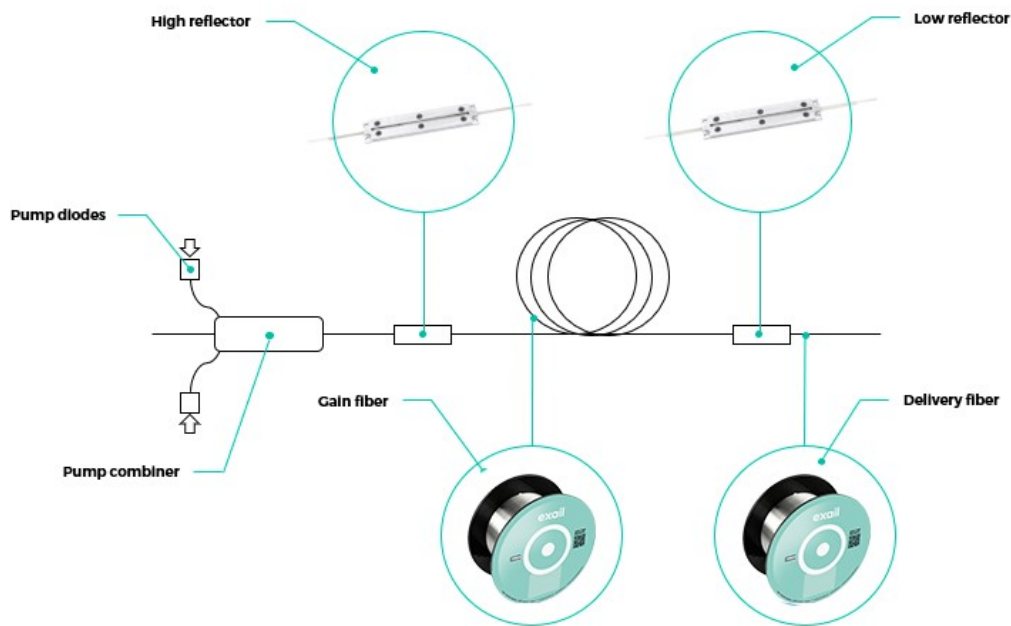


Benefits & Features

- Higher laser efficiency
- Custom design
- Accurate wavelength matching
- Precision matched passive to active fiber
- Heat dissipative package (IXC-DIS-PKG)
- Associated to iXblue active fibers
- Standard and custom versions available

Applications

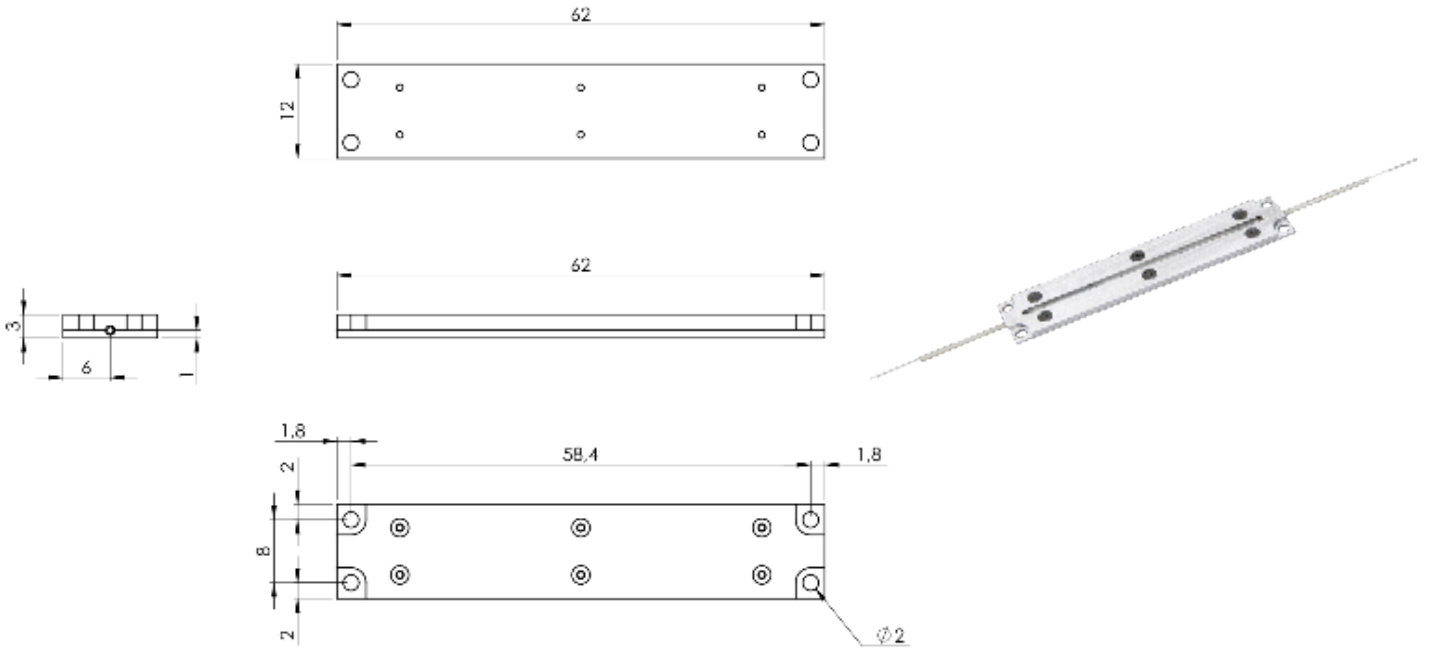
- Direct Energy Laser
- Cutting & welding Fiber laser
- High Power Laser Cavity
- High Power Amplifier
- 1 μm LIDAR



FBG configuration

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

Parameters



Configuration

AD.0	Creation	ROL	05/08/20
INDICE	DESCRIPTION DE LA REVISION	FMD	CREATION
MATERIE:	√ R0	Tot. Gén:	MASS:
TRATTEMENT:		FINITION:	PROTECTION:
PHOTONIQUE Application Note		Dissipative package mounting	
ixblue		COM2911020	A0.0
Ce document est la propriété de IXBLUE et ne peut être reproduit ou transmis sans autorisation écrite. This document is the property of IXBLUE and shall not be reproduced nor transmitted without written approval.		Echelle	1:1 A3 1/1

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

contact.photonics@exail.com | www.exail.com
 Europe +33 1 30 08 94 50 | Americas +1 508 745 3487 | APAC +60 11 1623 1698

