

# iQoM

Ultrafast fiber laser

## Features

- SESAM free
- Electronics free
- All-PMF configuration

## Applications

- Seed laser for industrial laser
- Multiphoton microscopy
- Ultrafast spectroscopy

## Ultrashort pulse laser generator

Most of the ultrashort pulse fiber lasers on the market use a semiconductor saturable absorber mirrors (SESAMs) in the oscillators. However, SESAMs have issues with degradation, manufacturing variation, and availability. iQoM series uses well-designed artificial saturable absorber.

iQoM does not include any active components such as laser diodes and electrical circuits. There is no risk of failure caused by electricity. iQoM is compatible with your existing LDs and electronics, and can be easily replaced with your traditional oscillators.



# Specifications

	IQOM-1040-OSC	IQOM-1040-AMP	IQOM-1064-OSC	IQOM-1064-AMP
Center wavelength	1040 ± 3 nm		1064 ± 3 nm	
Spectral bandwidth (min.) *1	2 nm	8 nm *3	2 nm	3 nm
Pulse width	1 - 5 ps	3 - 12 ps	1 - 5 ps	2 - 8 ps
Average output power (min.)	0.5 mW	80 mW	0.5 mW	10 mW
LD input power (max.) *2	300 mW	600 mW	300 mW	600 mW
Pulse repetition rate	20 ± 3 MHz			
Polarization	Linear			
Fiber connectors	FC/APC *4			
Operating temperature	15 – 30°C			
Size	200 × 150 × 46 mm			

\*1: 3dB bandwidth

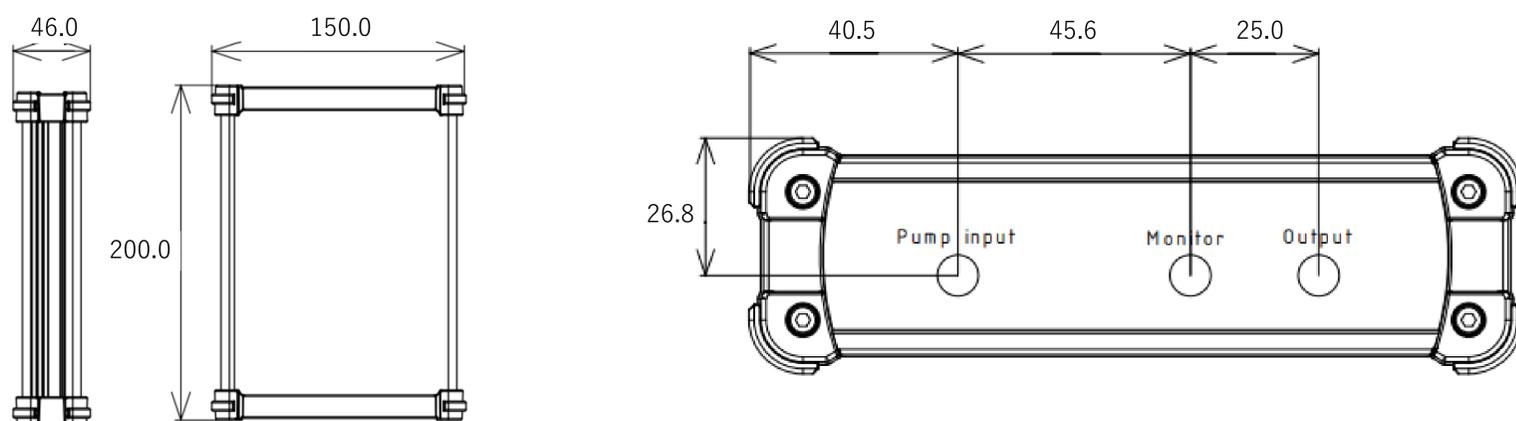
\*2: PMF pigtailed FBG-stabilized 976 nm LD

\*3: Transform-limited < 200 fs

\*4: Custom optical fiber connectors available upon request

Specifications subject to change without notice.

# Drawings



Go to iQoM special website

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