

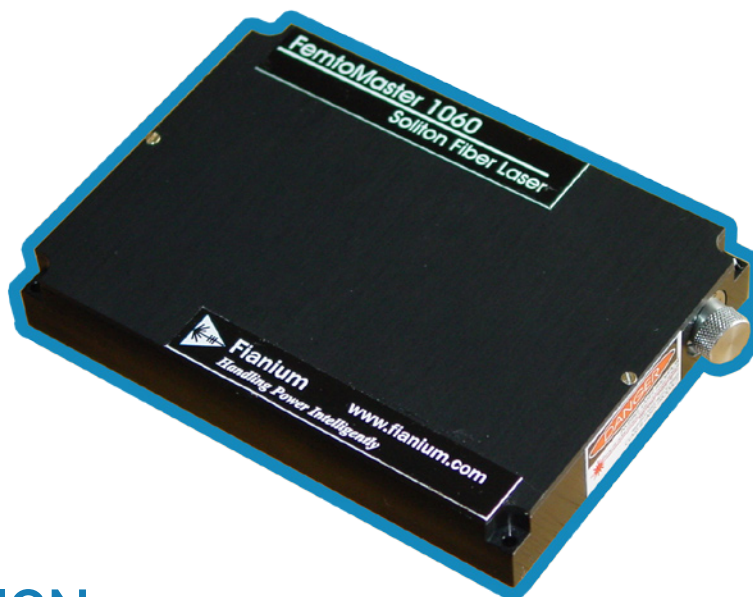
FemtoMaster1060-x

KEY FEATURES

- Wavelength: 1030, 1053 or 1064 nm
- Repetition rate: 20 - 100 MHz
- Output power up to 100 mW
- Small footprint
- Maintenance free

APPLICATIONS

- Seed source for high energy systems
- Fundamental study
- High resolution OTDR
- Metrology



DESCRIPTION

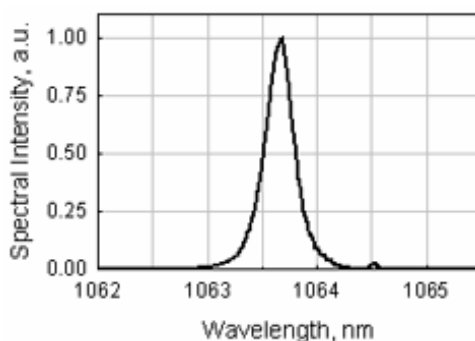
FemtoMaster is a passively mode-locked soliton fibre laser with a semiconductor saturable absorber as one of the cavity mirrors. The active medium is a core-pumped Yb-doped fibre. The laser oscillators generate transform-limited 3-6 ps pulses. Systems generating more than 10 mW of output power as also equipped with a fiber amplifier.

The lasers have been designed for maintenance free OEM applications. Compact size, built in electronic drivers and monitoring photodiode makes this unit ideal for demanding laboratory and industrial applications.

TYPICAL SPECIFICATION

Parameters	Unit	FM1060-0.01	FM1060-0.1
Operating wavelength	nm	1064(+/-1)	1064(+/-1)
Pulsewidth	ps	6	6
Pulse bandwidth	nm	0.35	0.5
Repetition rate	MHz	20-100	20-100
Average power	mW	2-10	20-100
Peak power	W	< 200	< 2000
Timing jitter	ps	< 1	< 1
Amplitude noise	%	< 2	< 2
Power consumption, max	W	1	1
Dimensions (W x L x D)	mm	100 x 150 x 20	250 x 220 x 55
Weight	g	300	500

OPTICAL SPECTRUM OF FM1060-0.01



CAUTION: THIS IS CLASS 3B LASER PRODUCT AND USE OF CONTROLS AND ADJUSTMENTS OTHER THAN THOSE SPECIFIED IN THE PRODUCT MANUAL MAY RESULT IN HAZARDOUS LASER RADIATION EXPOSURE

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