



# Lasertack New Laser Generation

## Frequency stabilized SLM laser

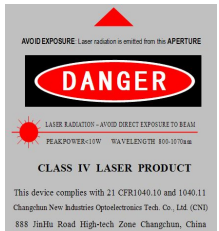
### FREQUENCY STABILIZED SLM LASER

Single longitudinal mode, frequency stabilized laser is made features of stable frequency and low frequency noise, which is used in optical frequency standards, gravitational wave detection, tests of fundamental physics, atomic clocks, high resolution spectrum, Laser Radar, precision measurement, etc.



#### SPECIFICATIONS

Wavelength (nm)	1047±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 800
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Frequency shift over 8 hours (MHz)	<±200
Frequency shift with Temp (MHz/°C)	<200
Coherent length (m)	>50
M <sup>2</sup> factor	<1.5
Extra heatsink	TC-01



#### MXL-FN-1047

197(L)×70(W)×50(H) mm<sup>3</sup>, 2.0 kg

#### PSU-H-FDA

236(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg

#### TC-01 Heatsink

197(L)×117.5(W)×57.3(H) mm<sup>3</sup>, 1.6 kg

#### Driver

277(L)×145(W)×106(H) mm<sup>3</sup>, 2.6 kg