MSL-FN-1319/1~50mW

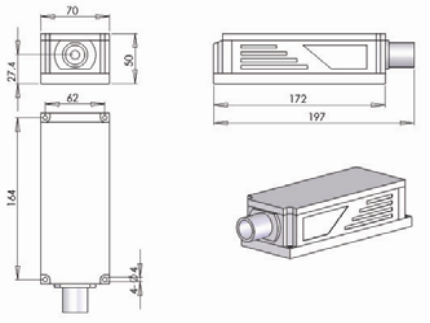
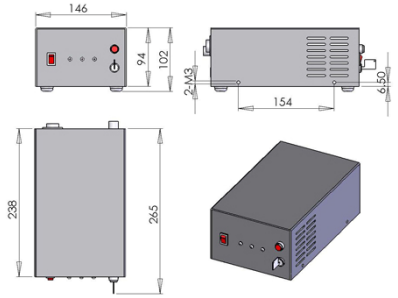
SINGLE LONGITUDINAL MODE INFRARED LASER AT 1319 nm

All solid state single longitudinal mode infrared laser at 1319nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.

SPECIFICATIONS

Wavelength (nm)	1319±1
Output power (mW)	>1，5，10, 20,… , 50
Transverse mode	TEM_{00}
Longitudinal mode	Single
Operating mode	CW
Power stability (rms, over 4 hours)	<3%, <5%
Warm-up time (minutes)	<10
M^2 factor	<2.0
Beam divergence, full angle (mrad)	<1. 5
Beam diameter at $1/e^2$ (mm)	~1.5
Beam height from base plate (mm)	27.4
Spectral linewidth (nm)	<0.00001
Polarization ratio	>100:1 (0 or 90 degree)
Pointing stability after warm-up (mrad)	<0.05
Noise of amplitude (rms, 20Hz~20MHz)	<0. 5%
Coherent length (m)	>50
Operating temperature (℃)	15~35
Power supply (90-264VAC or 5V DC)	PSU-H-FDA
Modulation	Modulation isn't available.
Expected lifetime (hours)	10000
Warranty period	1 year

Note: The laser head needs to be used on a heat sink with good heat dissipation.

MxL-FN-1319	Dimension	PSU-H-FDA	Dimension
			
197(L)×70(W) ×50(H), 2.0 kg		238 (L) ×146(W) ×102 (H) mm^3, 2.3 kg	