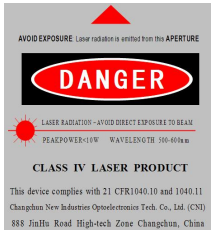
MSL-FN-914/1~100mW

SINGLE LONGITUDINAL MODE INFRARED LASER AT 914nm

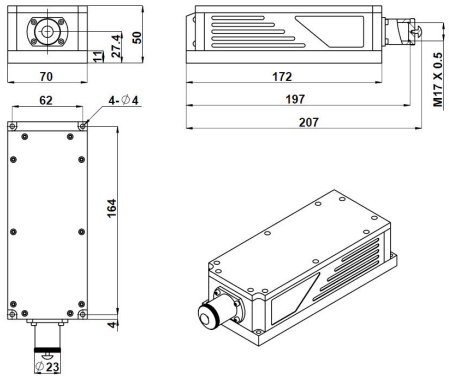
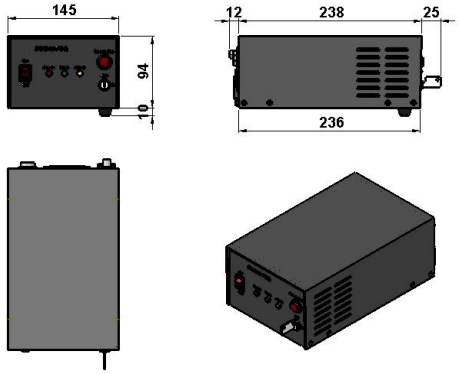
All solid state infrared laser at 914nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, brillouin scattering, spectrum analysis, etc.

SPECIFICATIONS

Wavelength (nm)	914±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, … , 100
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	TEM_{00}
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Coherent length (m)	>50
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M^2 factor	<1.2
Beam diameter at the aperture ($1/e^2$, mm)	<1.5
Beam divergence, full angle (mrad)	<1.2
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Operating temperature (℃)	15~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000
Warranty	1 year



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

MSL-FN-914	PSU-H-FDA
	
197(L)×70(W)×50(H) mm³, 1.5 kg	275(L) ×145(W) ×104(H) mm³, 2.3 kg