MIL-N-1940/1-2000mW

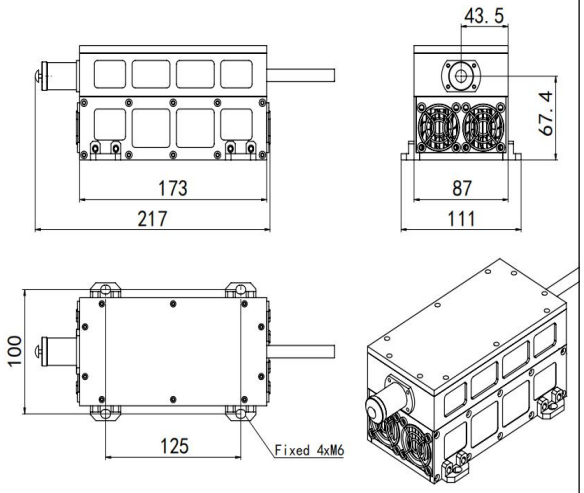
LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1940nm

All solid state infrared laser at 1940nm is made features of ultra compact, long lifetime and easy operating, which is used in Ho:YAG laser pumping, medical, scientific research, etc.

SPECIFICATIONS

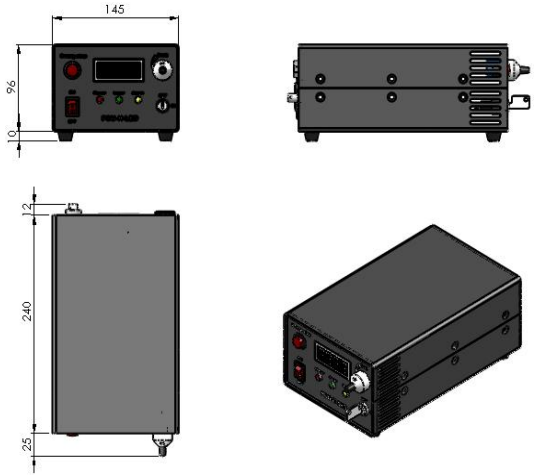
Wavelength (nm)	1940±2
Operating mode	CW
Output power (mW)[1]	1-2000
Power stability (rms, 4 hours±3°C)	<2%, <1%
Transverse mode	Near TEM_{00}
Polarizaion ratio	>50:1 Vertical
Beam divergence, full angle (mrad)	<2
Beam diameter at the aperture ($1/e^2$,mm)	<2
Beam height from base plate (mm)	67.4
Warm-up time (minutes)	<10
Cooled method	Air Cooled
Operating temperature (℃)	15-30
Power supply (100-240VAC)	PSU-H-LED or PSU-H-FDA
Expected lifetime (hours)	>10000

LASER HEAD



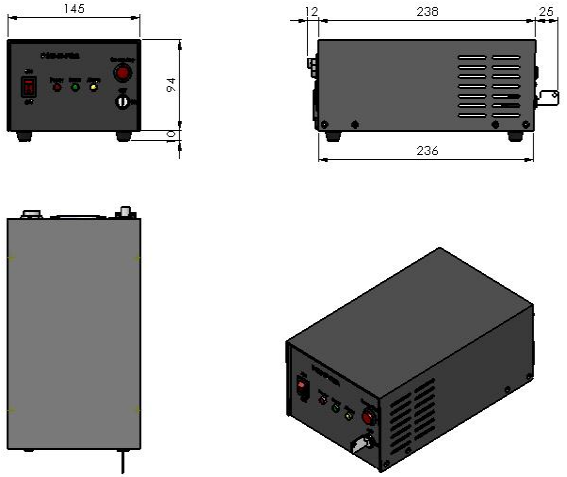
217(L)×111(W) ×92(H) mm³, 4.5kg

POWER SUPPLY (PSU-H-LED)



277 (L) ×145(W) ×106 (H) mm³, 2.6 kg

POWER SUPPLY (PSU-H-FDA)



275 (L) ×146(W) ×104 (H) mm³, 2.4 kg

1 Any power level can be selected in this range.