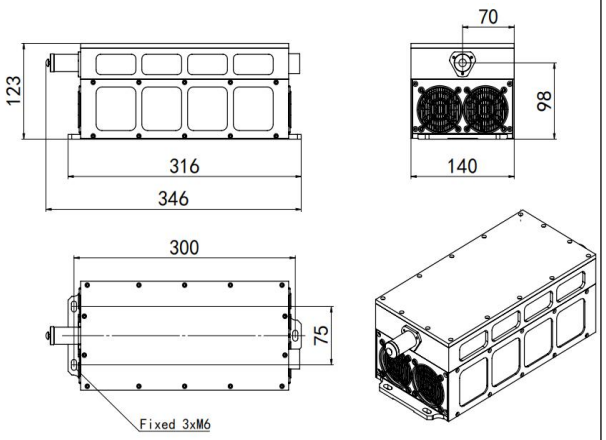
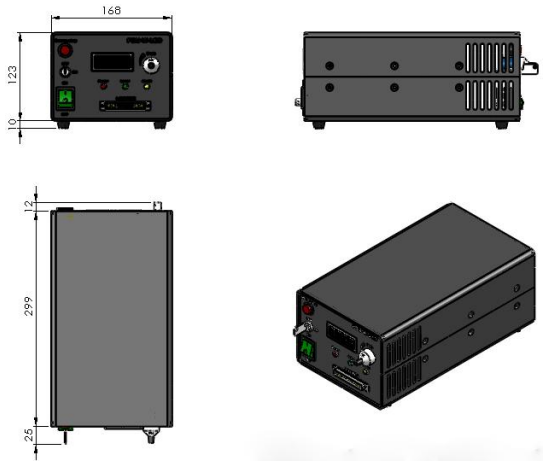
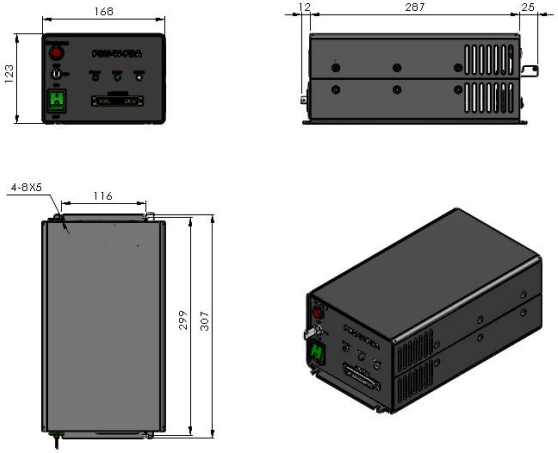
MIL-W-1940/1-11W

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

All solid state infrared laser at 1910nm is made features of ultra compact, long lifetime, low cost 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 (W)[1]	1-11
Power stability (rms, 4 hours±3℃)	<5%, <3%
Transverse mode	Near TEM_{00}
Beam divergence, full angle (mrad)	<8
Beam diameter at the aperture ($1/e^2$,mm)	<5
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	98
Warm-up time (minutes)	<10
Cooled method	Air Cooled
Operating temperature (℃)	15-35
Power supply (100-240VAC)	PSU-W-LED or PUS-W-FDA
Expected lifetime (hours)	>10000

LASER HEAD	POWER SUPPLY (PSU-W-LED)	POWER SUPPLY (PSU-W-FDA)
		
346 (L) ×140 (W) ×123 (H) mm³, 8.5kg	336 (L) ×168 (W) ×133 (H) mm³, 4.6 kg	307 (L) ×168 (W) ×123 (H) mm³, 4.5 kg

1 Any power level can be selected in this range.