

Opto Engine LLC

Data sheet

Rev. 0912

MDL-F-940/5000~8000mW

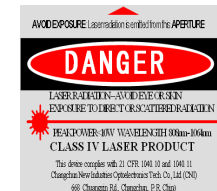
INFRARED DIODE LASER AT 940nm





Diode infrared laser module at 940nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	940±5		
Output power (mW)	>5000, 6000, 7000, ..., 8000		
Transverse mode	Near TE ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M ² factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Beam diameter at the aperture (mm)	5~8		
Beam height from base plate (mm)	45		
Polarization ratio	>50:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Expected lifetime (hours)	10000		
Warranty period	1 year		



MDL-F-940	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
			
211.5(L)×88(W)×74(H) mm ³ , 1.6 kg	240 (L) ×146(W) ×108 (H) mm ³ , 2.6 kg	238 (L) ×146(W) ×102 (H) mm ³ , 2.3 kg	238 (L) ×146(W) ×94 (H) mm ³ , 2.2 kg
