

Opto Engine LLC

Data sheet

Rev. 0912

MDL-F-915/5000~8000mW

SPECIFICATIONS

INFRARED DIODE LASER AT 915nm

Diode infrared laser module at 915nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Wavelength (nm)	915 ± 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-915	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