

Opto Engine LLC

Data sheet

Rev. 2102

MIL-III-914/1~400mW



LD PUMPED ALL-SOLID-STATE 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, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	914±1	
Output power (mW)	>1, 10, 20, 30, ..., 200	>200, ..., 400
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<2%, <3%, <5%
Transverse mode	TEM ₀₀	
Operating mode	CW	
Warm-up time (minutes)	<10	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e ² (mm)	~1.5	
Beam height from base plate (mm)	24.8	
Polarization ratio	>100:1 (0 or 90 degree)	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-LED/PSU-III-FDA/PSU-III-OEM-97	
Expected lifetime (hours)	10000	
Warranty	1 year	



MIL-III-914	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>188 (L) × 155 (W) × 92 (H) mm³, 1.5kg</p>	<p>171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p>	<p>94 (L) × 75 (W) × 49 (H) mm³, 0.23kg</p>