

Opto Engine LLC

Data sheet

Rev. 2102

MIL-H-946/400~800mW



LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 946nm

All solid state infrared laser at 946nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	946±1
Output power (mW)	>400, 450, 500, ... ,800
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%
Transverse mode	Near TEM ₀₀
Operating mode	CW
Warm-up time (minutes)	<10
M ² factor	<2. 0
Beam divergence, full angle (mrad)	<2. 0
Beam diameter at the aperture (mm)	~3. 0
Beam height from base plate (mm)	29
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



MIL-H-946	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>154.5(L)×77(W)×60(H) mm³, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.3 kg</p>	<p>245.5 (L) ×146(W) ×94 (H) mm³, 2.2 kg</p>