

Opto Engine LLC

Data sheet

Rev. 1609

MDL-N-980/6000~10000mW



INFRARED DIODE LASER AT 980nm

Diode infrared laser module at 980nm is made features of ultra compact, long lifetime and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	980±5		
Operating mode	CW		
Output power (mW)	>6000, 6500, 7000, ... , 10000		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Near TE ₀₀		
M ² factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Beam diameter at the aperture (1/e ² ,mm)	5~8		
Warm-up time (minutes)	<5		
Polarization ratio	>100:1		
Beam height from base plate (mm)	68.5		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-N-980	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
<p>245(L) x 99(W) x 94(H) mm³, 2.5 kg</p>	<p>277(L) x 145(W) x 106(H) mm³, 2.6 kg</p>	<p>275(L) x 145(W) x 104(H) mm³, 2.4 kg</p>	<p>215(L) x 129(W) x 122(H) mm³, 2.1kg</p>