

DATA SHEET

LOW NOISE INFRARED DIODE LASER AT 808nm

Low noise diode infrared laser module at 808nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Model: MLL-N-808/7000~10000mW

Wavelength (nm)	808 ±3nm		
Output power (mW)	>7000, 7500, ..., 10000		
Transverse mode	Near TE ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
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)	68.2		
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
Expected lifetime (hours)	10,000		
Warranty period	1 year		

MxL-N-808	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
<p>245(L) ×99(W) ×94(H) mm³, 2.5kg</p>	<p>277(L) ×145(W) ×106(H) mm³, 2.6kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.4kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.4kg</p>