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DATA SHEET

LOW NOISE INFRARED DIODE LASER AT 800nm

Low noise diode infrared laser module at 800nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Model: MLL-H-800/1~2500mW

Wavelength (nm)	800 ±5nm	
Output power (mW)	>100, 300, 500, ... , 2500	
Transverse mode	Multimode	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Noise of amplitude (rms, 1Hz~20MHz)	<1%	
Warm-up time (minutes)	<5	
M ² factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Dimensions of beam at the aperture (mm)	~5 x 8	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA	PSU-H-LED
Expected lifetime (hours)	10,000	
Warranty period	1 year	

Laser Head Model: MxL-H-800	Laser Head Dimensions	PSU-H-LED	PSU-H-FDA
	<p>160(L) x 77(W) x 60(H) mm³, 0.9kg</p>	<p>277(L) x 145(W) x 106(H) mm³, 2.3kg</p>	<p>275(L) x 145(W) x 104(H) mm³, 2.1kg</p>