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## DATA SHEET

### INFRARED DIODE LASER AT 980nm

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



Model: MDL-H-980/3000~5000mW

Wavelength (nm)	980 ± 10	
Operating mode	CW	
Output power (mW)	>3000, 3500, ..., 5000	
Transverse mode	Multimode	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
M <sup>2</sup> factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Beam diameter at the aperture (mm)	~5x8	
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
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-H-980	MxL-H-980 Dimensions	PSU-H-LED	PSU-H-FDA
	<p><b>160(L) × 77(W) × 60(H) mm<sup>3</sup>, 0.9kg</b></p>	<p><b>277(L) × 145(W) × 106(H) mm<sup>3</sup>, 2.3kg</b></p>	<p><b>275(L) × 145(W) × 104(H) mm<sup>3</sup>, 2.1kg</b></p>