



Your source for high quality, affordable lasers

Model: MDL-III-980/1~2000mW

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.

Wavelength (nm)	980 ± 10nm	
Output power (mW)	>100, 200, 300, ... , 2000	
Transverse mode	Multimode	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
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	>100:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-FDA	PSU-III-LED
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10,000	
Warranty period	1 year	



MxL-III-980	Laser Head Dimensions	PSU-III-FDA	PSU-III-LED
	<p>146(L) × 73(W) × 46.2(H) mm³, 0.7kg</p>	<p>171(L) × 130(W) × 62.2(H) mm³, 1.2kg</p>	<p>188.6 (L) × 155(W) × 92(H) mm³, 1.5 kg</p>