



MDL-III-980/1~2000mW

**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.



SPECIFICATIONS

Wavelength (nm)	980±5		
Output power (mW)	>1, 100, 200, 300, ..., 2000		
Transverse mode	Near TE <sub>00</sub>		
Operating mode	CW		
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		
Dimensions of beam at the aperture (mm)	~5×8		
Beam height from base plate (mm)	24.8		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-III-980	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 140.8(L)×73(W)×46.2(H) mm <sup>3</sup> , 0.6kg	 154 (L) ×155(W) ×95 (H) mm <sup>3</sup> , 1.5kg	 133 (L) ×130(W) ×65 (H) mm <sup>3</sup> , 1.2kg	 100 (L) ×60(W) ×56 (H) mm <sup>3</sup> , 0.2kg
