



Your source for high quality, affordable lasers

Model: MDL-III-980L/1~200mW

DATA SHEET

INFRARED DIODE LASER AT 980nm

Infrared diode 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	
Operating mode	CW	
Output power (mW)	>10, 20, ..., 200	
Transverse mode	Near TEM ₀₀	
Power stability (rms, over 4 hours)	<1%, <3%, <5%, optional	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Dimensions of beam at the aperture (1/e ² , mm)	~3.5	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-FDA	PSU-III-LED
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz	
Expected lifetime (hours)	10,000	
Warranty period	1 year	



MxL-III-980L	MxL-III-980L Dimensions	PSU-III-FDA	PSU-III-LED
	<p>143.5(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>