

MDL-I-800/1~2500mW

INFRARED DIODE LASER AT 800nm


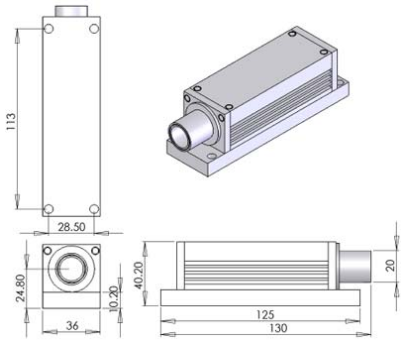

Diode infrared laser module at 800nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	800±5
Output power (mW)	>1, 100, 200, 300, ..., 2500
Transverse mode	Near TE ₀₀
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
Beam diameter 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)	PSU-I-OEM
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off
Expected lifetime (hours)	10000
Warranty period	1 year
Remarks	MDL is a diode laser module, so the beam quality is not as good as the solid-state laser. The beam spot is nearly square.



MxL-I-800	Dimensions	PSU-I-OEM	Dimensions
 <p>130 (L) × 36 (W) × 40.2 (H) mm³, 0.3 kg</p>		 <p>105 (L) × 47 (W) × 38 (H) mm³, 0.2 kg</p>	