

MDL-808 /500mW



INFRARED DIODE LASER

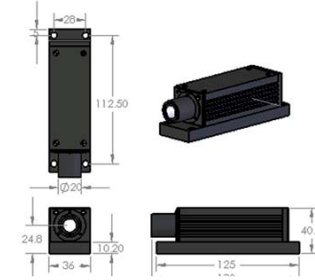
Diode infrared laser modules at 808nm, 980nm, and 1550nm, are made features of ultra compact, long lifetime, low cost and easy to operate, which is used in measurement, communication, spectrum analysis etc.



SPECIFICATIONS

Wavelength (nm)	808±3	
Output power (mW)	>500	
Transverse mode	Near TE ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<5%	
Warm-up time (minutes)	<5	
M ² factor	<20	
Beam divergence, full angle (mrad)	<5.0	
Beam diameter at the aperture (mm)	5-8	
Beam height from base (mm)	24.8	
Spectral linewidth (nm)	<3	
Polarization ratio	>50:1	
Point stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10-35	
Expected lifetime (hours)	10000	
Net weight of laser head (kg)	0.44	
Dimensions of laser head (mm)	130(L)×36(W) ×40(H)	
Power supply (80-260VAC)	Integrated driver (PN156)	Dimensions: 106(L) ×47(W) ×38(H) Net weight: 0.235kg
Warranty time	1 year	
Remarks	MDL-wavelength is a diode laser module, so the beam quality is not as good as the solid-state laser. The beam spot is nearly square	

LASER HEAD DIMENSIONS



POWER SUPPLY DIMENSIONS

