

MLL-III-520L/1~50mW



LOW NOISE GREEN DIODE LASER AT 520 nm

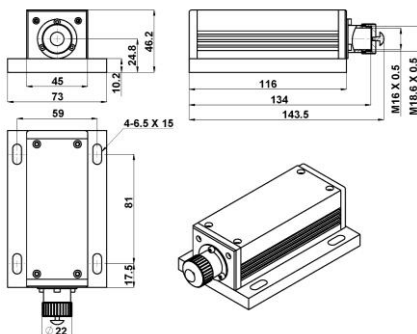
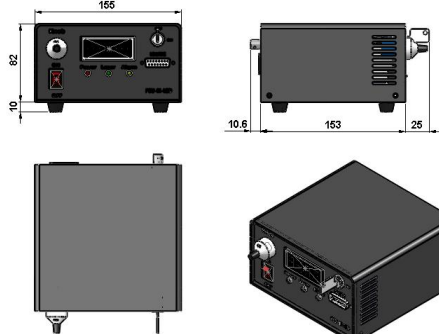
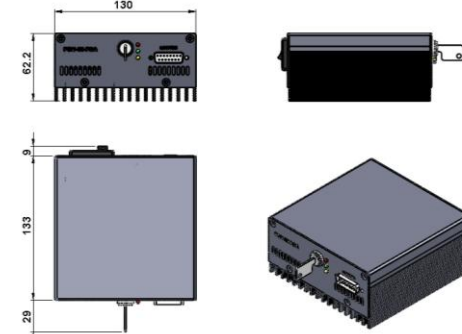

Low noise green diode laser module at 520 nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which can be widely used in laser projection, laser shows, biomedical applications, holography, metrology. etc.



SPECIFICATIONS

Wavelength (nm)	520±5
Operating mode	CW
Output power (mW)	>1, 2, 3, ..., 50
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	Near TEM ₀₀
Noise of amplitude(rms,20Hz~20MHz)	<1%
Beam diameter at the aperture ((1/e ² ,mm)	~3.0
Beam divergence, full angle (mrad)	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
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-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC PSU-A-D (Frequency for 30kHz -100kHz)
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional
Expected lifetime (hours)	10000
Warranty	1 year



MxL-III-520L	PSU-III-LED	PSU-III-FDA	PSU-A-D
 <p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	 <p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	 <p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>	 <p>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p>