


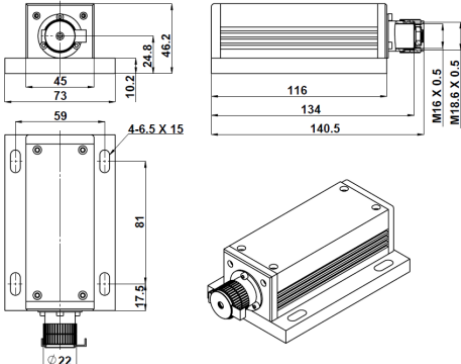
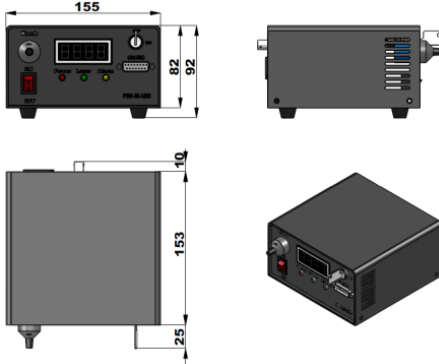
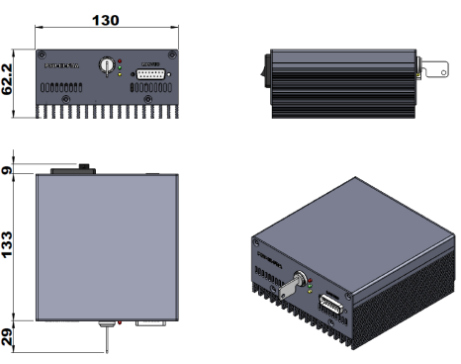
**DATA SHEET**

**LD PUMPED ALL-SOLID-STATE GREEN LASER AT 543nm**

All solid state laser at 543nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



Wavelength ( nm )	543 ± 1nm	
Output power ( mW )	>1, 20, 30, 50, 100	
Transverse mode	TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5% . <10%	
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e <sup>2</sup> (mm)	~1.2	
Beam height from base plate (mm)	24.8	
Polarization ratio	>100:1 ( 0 or 90 degree)	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature ( °C )	10~35	
Power supply (90-264VAC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL on/off, 1Hz-1KHz, 1K-10KHz, 10K-30KHz, and analog modulation option	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MDL-III-543	Laser Head Dimensions	PSU-III-LED	PSU-III-FDA
	 <p><b>140.5(L) × 73(W) × 46.2(H) mm<sup>3</sup>, 0.6kg</b></p>	 <p><b>153(L) × 155(W) × 92(H) mm<sup>3</sup>, 1.5 kg</b></p>	 <p><b>133(L) × 130(W) × 62.2(H) mm<sup>3</sup>, 1.2kg</b></p>