Nano-Giga

Your source for high quality, affordable lasers

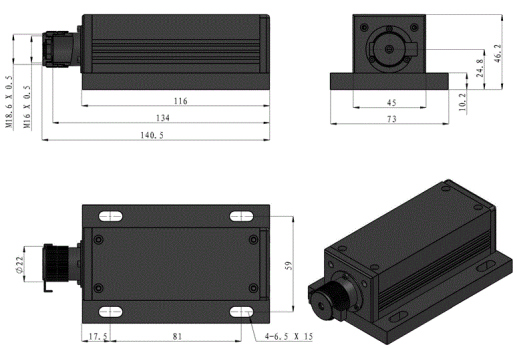
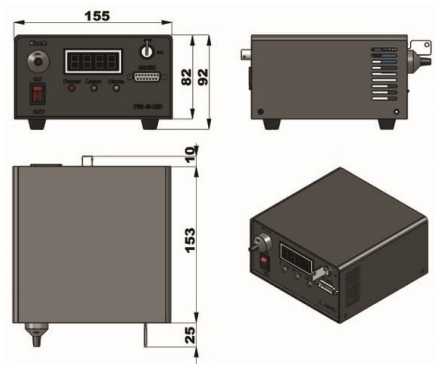
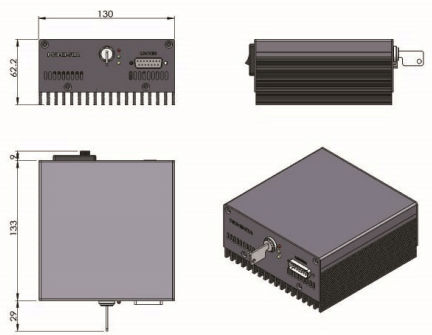
DATA SHEET

BLUE DIODE LASER AT 454nm

Blue laser module at 454nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in measurement, communication, spectrum analysis, etc.

Model: MDL-III-454/1~80mW

Wavelength (nm)	454 ±1nm	
Output power (mW)	>1, 10, 20, ..., 80	
Transverse mode	Near TEM_{00}	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1. 0	
Beam diameter at the aperture (mm)	<3.5	
Beam height from base plate (mm)	24.8	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (℃)	10~35	
Power supply (90-264VAC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10,000	
Warranty period	1 year	

MxL-III-454	Dimensions	PSU-III-LED	PSU-III-FDA
			
	140.5(L)×73(W)×46. 2(H) mm³, 0.6kg	**188(L)×155(W)×92(H) mm³, 1.5kg**	**171(L)×130(W)×62.2(H) mm³, 1.2kg**