

## 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 <sub>00</sub>	
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 (°C)	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
	<p>140.5(L)×73(W)×46. 2(H) mm<sup>3</sup>, 0.6kg</p>	<p>188(L)×155(W)×92(H) mm<sup>3</sup>, 1.5kg</p>	<p>171(L)×130(W)×62.2(H) mm<sup>3</sup>, 1.2kg</p>