

454 nm Blue Laser Diode MDL-F-454

Model #: MDL-F-454

Description: Blue diode laser module at 450 nm MDL-F-450 features ultra compact, long lifetime, low cost and easy operating.



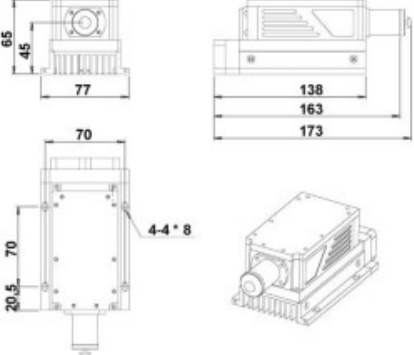
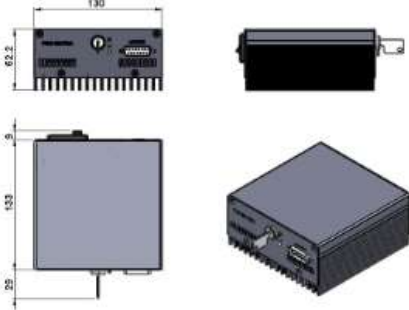

Application: Scientific research, laser pointing, show and RGB mixed laser systems applications, etc.

Specifications

Model Number	MDL-F-454
Wavelength (nm)	454 ± 5
Output Power (mW)	>1, 100, 200, ..., 2000
Transverse Mode	Multimode
Operating Mode	CW
Power Stability (rms, over 4 hours)	<1%, 3%, <5%
Warm-up Time (minutes)	<5
Beam Divergence, half Angle (mrad)	< 1.4 x 0.2
Beam Diameter at the Aperture (mm)	~ 2.7 x 2.7
Beam Height from Base Plate (mm)	45
Operating Temperature (C°)	10 ~ 35
Power Supply (90-264VAC or 5V DC)	PSU-H-LED or PSU-H-FDA
Modulation	TTL on/off (Optional: TTL or analog 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz modulation)
Expected Lifetime (hours)	10000
Warranty Period	1 year

Ordering Information: MDL-F-454-A-B-C

A: maximum output power	B: power stability	C: power driver
100 - 100 mW	1 – 1%	1 - PSU-H-FDA
*****	3 – 3%	2 - PSU-H-LED
2000 - 2000 mW	5 – 5%	
X - other		

MDL-F-454	PSU-H-FDA
 <p>173(L)×77(W)×65(H) mm³, 1.6kg</p>	 <p>171(L)×130(W)×62.2(H) mm³, 1.2kg</p>
	
PSU-H-LED	
 <p>188.6 (L)×155(W)×92 (H) mm³, 1.5kg</p>	
