

450 nm Blue Laser Diode MDL-F-450

Model #: MDL-F-450

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



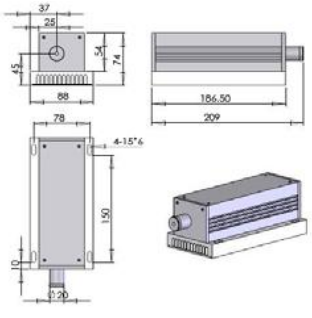
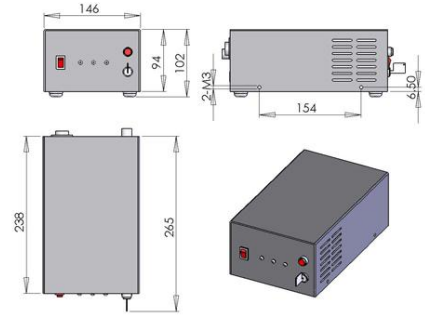


Application: Scientific research, laser pointing, show and RGB mixed laser systems applications, etc.

Specifications

Model Number	MDL-F-450 (H)	MDL-F-450 (V)
Wavelength (nm)	450 ± 5	
Output Power (mW)	>1000, 1500, ..., 2000	
Transverse Mode	Near TEM ₀₀	
Operating Mode	CW	
Power Stability (rms, over 4 hours)	<1%, 3%, <5%	
Warm-up Time (minutes)	<5	
M ² Factor	<5	
Beam Divergence, half Angle (mrad)	< 1.5	
Beam Diameter at the Aperture (mm)	~ 4 x 4	
Beam Height from Base Plate (mm)	45	
Pointing Stability after Warm-up (mrad)	<0.05	
Operating Temperature (C°)	10 ~ 35	
Polarization Orientation	Horizontal	Vertical
Power Supply (90-264VAC or 5V DC)	PSU-H-LED, PSU-H-FDA or PSU-H-OEM-S	
Modulation	TTL on/off (Optional: TTL or analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz modulation)	
Expected Lifetime (hours)	10000	
Warranty Period	1 year	

Ordering Information: MDL-F-450-A-B-C

A: maximum output power	B: power stability	C: power driver
1500 - 1500 mW	1 – 1%	1 - PSU-H-FDA
2000 - 2000 mW	3 – 3%	2 - PSU-H-LED
	5 – 5%	3 – PSU-H-OEM-S
X - other		

<p style="text-align: center;">MDL-F-450</p>  <p style="text-align: center;">209(L)×88(W)×74(H) mm³, 1.6kg</p>	<p style="text-align: center;">PSU-H-FDA</p>  <p style="text-align: center;">238(L)×146(W)×102(H) mm³, 2.6kg</p>
	
<p style="text-align: center;">PSU-H-LED</p>  <p style="text-align: center;">268 (L) ×145(W) ×106 (H) mm³, 2.3kg</p>	<p style="text-align: center;">PSU-H-OEM-S</p>  <p style="text-align: center;">190(L)×104(W) ×85(H) mm, 1.3 kg</p>
