

405 nm Violet Diode Laser MDL-III-405

Model #: MDL-III-405

Description: Violet diode laser module at 405nm MDL-III-405 features ultra compact, long lifetime, low cost and easy operating.



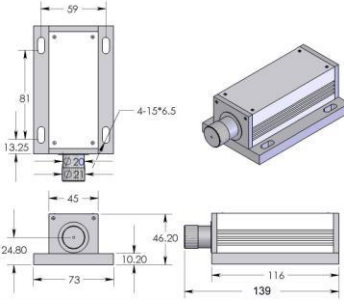


Application: Measurement, communication, spectrum analysis, etc.

Specifications

Wavelength (nm)	405 ± 5
Output Power (mW)	>1, 2, 3,....., 500
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)	<0.5
Beam Diameter at the Aperture (mm)	~4.0
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 or 5V DC)	PSU-III-LED or PSU-III-FDA
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-III-405-A-B-C

A: maximum output power	B: power stability	C: power driver
1 - 50 mW	1 – 1%	1 - PSU-III-FDA
100 - 100 mW	3 – 3%	2 - PSU-III-LED
200 - 200 mW	5 – 5%	
300 - 300 mW		
400 – 400 mW		
500 - 500 mW		
X - other		

MDL-III-405	PSU-III-LED
 <p data-bbox="446 436 714 462">139(L)×73(W)×46.2(H) mm³, 0.6kg</p>	 <p data-bbox="933 436 1209 462">153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>
	
PSU-III-FDA	
 <p data-bbox="446 1071 722 1096">133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	
