

MDL-E-405/1~200mW



NARROW LINEWIDTH DIODE LASER AT 405nm

Narrow linewidth diode laser module at 405nm is made features of narrow spectral linewidth, stable wavelength, long lifetime and easy operating, which is widely used in precision measurement, high resolution spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	405±5	405±1
Operating mode	CW	
Output power (mW)	>1, 2, 3, ...,50	>50, 60, 70, ...,200
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM ₀₀	Multimode
Spectral linewidth (nm)	<0.06, <0.03(extra heatsink)	
Beam diameter at the aperture (1/e ² ,mm)	~2.5	~1.2
Beam divergence, full angle (mrad)	0.5	<1.0
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	30	
Operating temperature (°C)	20~30	
Power supply (85-264VAC)	PSU-III-FDA	PSU-III-FDA/ PSU-III-LED
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-E-405	PSU-III-LED	PSU-III-FDA
<p style="text-align: center;">122.5(L)×65(W) ×50(H) mm³, 1.0kg</p>	<p style="text-align: center;">188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p style="text-align: center;">171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>