

MDL-E-405/1~150mW



### NARROW LINEWIDTH DIODE LASER AT 405nm

It features a narrow spectral linewidth, stable wavelength, long lifetime and easy operation. They are widely used in precision measurement, high resolution spectrum analysis, etc.



### SPECIFICATIONS

Central wavelength (nm)	405±1
Operating mode	CW
Output power (mW)	>1, 10, 50,...,150
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM <sub>00</sub>
Spectral linewidth (nm)	<0.06 (<0.03, optional)
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.3
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	30
Operating temperature (°C)	20~30
Power supply (85-264 VAC)	PSU-III-LED/ PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year



MDL-E-405	PSU-III-LED	PSU-III-FDA
<p>122.5(L)×65(W)×50(H) mm<sup>3</sup>, 1.0kg</p>	<p>188.6 (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>