

Opto Engine LLC

Data sheet

Rev. 0912

MLL-III-405/1~150mW

LOW NOISE VIOLET DIODE LASER AT 405 nm




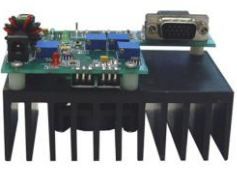
Violet low noise diode laser module at 405nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	405±5		
Output power (mW)	>1, 2, 3, ...,150		
Transverse mode	Near TEM ₀₀		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
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)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
TTL modulation/ Analog modulation	Optional, 2kHz or higher (others on request, up to 10kHz)		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-III-405	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
 <p>140. 8(L)×73(W) ×46. 2(H) mm³, 0.6kg</p>	 <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p>	 <p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p>
