

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd,

DATA SHEET

MRL-III-656.5/1~50mW

SPECIFICATIONS

LD PUMPED ALL-SOLID-STATE RED LASER AT 656.5 nm

All solid state 656.5 nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and medical, etc.



Wavelength (nm)	656.5 ± 1	656.5 ± 1		
Output power (mW)	>1, 5, 10, 20, , 50	>1, 5, 10, 20, , 50		
Transverse mode	Near TEM ₀₀	Near TEM ₀₀		
Operating mode	CW	CW		
Power stability (rms, over 4 hours)	<5%, <10%	<5%, <10%		
Warm-up time (minutes)	<10	<10		
M ² factor	<1.2	<1.2		
Beam divergence, full angle (mrad)	<1.5	<1.5		
Beam diameter at 1/e ² (mm)	~1.2	~1.2		
Beam height from base plate (mm)	24.8	24.8		
Polarization ratio	>50:1 (0 or 90 degree)	>50:1 (0 or 90 degree)		
Pointing stability after warm-up (mrad)	<0.05	<0.05		
Operating temperature (°C)	10~35	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM	
Expected lifetime (hours)	10000			
Warranty	1 year			





MxL-III-656.5	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
140. 8(L)×73(W) ×46. 2(H) mm ³ , 0.6 kg	153 (L) ×155(W) ×92 (H) mm ³ , 1.5kg	133 (L) ×130(W) ×65 (H) mm ³ , 1.2 kg	100 (L) ×62(W) ×56 (H) mm ³ , 0.2 kg

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