

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd,

DATA SHEET

MDL-III-1450R/1~100mW

INFRARED DIODE LASER At 1450nm

Diode infrared laser module at 1450nm, 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)	1450 ± 10			
Output power (mW)	>1, 10, 50, 100			
Energy distribution	Even			
Beam Spot	Round			
Power stability (rms, over 4 hours)	<1%, <3%, <5%			
Warm-up time (minutes)	<5			
Beam divergence, full angle (mrad)	<8.0			
Dimensions of beam at the aperture (mm)	~2.0			
Beam height from base plate (mm)	24.8			
Operating temperature (°C)	10~35			
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM	
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off			
Expected lifetime (hours)	10000			
Warranty	1 year			





MxL-III-1450R	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
139(L)×73(W) ×46. 2(H) mm ³ , 0.6kg	153(L) ×155(W) ×92 (H) mm ³ , 1.5kg	133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg	100 (L) ×62(W) ×56 (H) mm ³ , 0.2kg
159(L)×75(W)×46. 2(H) mm , 0.6kg	$155(L) \times 155(W) \times 92(H) \text{ mm}, 1.5\text{kg}$	$155 (L) \times 150 (W) \times 65 (H) \text{ mm}$, 1.2kg	$100 (L) \times 02(W) \times 50 (H) \text{ mm} , 0.2 \text{ kg}$
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