

MLL-III-1450/1~1000mW



### LOW NOISE INFRARED DIODE LASER AT 1450nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.



### SPECIFICATIONS

Central wavelength (nm)	1450±15	
Operating mode	CW	
Output power (mW)	>1, 100, 200, ..., 1000	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Multimode	
Noise of amplitude(rms,20Hz~20MHz)	<1%	
Dimensions of beam at the aperture (mm)	~5×8	
Beam divergence, full angle (mrad)	<3.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-III-1450	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>146 (L) × 73(W) × 46.2 (H) mm<sup>3</sup>, 0.7kg</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>	<p>162(L) × 144(W) × 70 (H) mm<sup>3</sup>, 1.0kg</p>