



MLL-III-975/1~2000mW

### LOW NOISE INFRARED DIODE LASER AT 975nm

Low noise infrared diode laser module at 975nm 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)	975±5		
Output power (mW)	>1, 100, 200, 300, ..., 2000		
Transverse mode	Near TE <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Noise of amplitude (rms, 1~20MHz)	<1%		
Warm-up time (minutes)	<5		
M <sup>2</sup> factor	<20		
Beam divergence, full angle (mrad)	<3.0		
Dimensions of beam at the aperture (mm)	~5×8		
Beam height from base plate (mm)	24.8		
Polarization ratio	>50:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		



MLL-III-975	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
<p style="text-align: center;">136(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.6kg</p>	<p style="text-align: center;">153 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	<p style="text-align: center;">133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>	<p style="text-align: center;">100 (L) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</p>