



**MLL-III-1053/1~500mW**



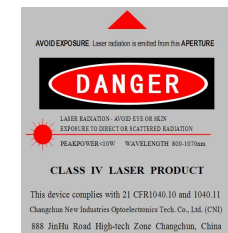
**LOW NOISE INFRARED LASER  
AT 1053 nm**

All solid state low noise infrared laser at 1053 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.



**SPECIFICATIONS**

Wavelength (nm)	1053±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, ... , 200	>200, ... , 500
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
M <sup>2</sup> factor	<1.5	
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~1.5	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1, Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA/PSU-III-OEM-97	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-III-1053	PSU-III-FDA	PSU-III-OEM-97
<p style="text-align: center;">140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p style="text-align: center;">171 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p style="text-align: center;">94(L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>