



MLL-III-1080/1~500mW



LOW NOISE INFRARED
DIODE LASER AT 1080nm

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)	1080±3
Operating mode	CW
Output power (mW)	>1, 50, 100, ...,500
Power stability (rms, over 4 hours)	<3%, <2%, <1%
Transverse mode	TEM ₀₀
Noise of amplitude (rms, 1Hz~20MHz)	<1%
Ellipticity	>0.95
M ² factor	<1.1
Beam diameter at the aperture (1/e ² ,mm)	~1.0
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<5
Beam height from base plate (mm)	24.8
Operating temperature (°C)	10~35
Power supply	85-264VAC
	100-240VAC
Modulation optional	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	PSU-A-D (Frequency for 30kHz -100kHz)
Expected lifetime (hours)	10000
Warranty	1 year



MLL-III-1080	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>	<p>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p>