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DATA SHEET

LD PUMPED ALL-SOLID-STATE LOW NOISE RED LASER AT 639nm

Low noise all solid state 639nm red laser is made features of ultra-compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and scientific research etc.

Model: MLL-FN-639/1~700mW

Wavelength (nm)	639 ± 1nm
Output power (mW)	>1, 10, 20, ..., 700
Transverse mode	TEM ₀₀
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Noise of amplitude (rms, 1~20MHz)	<1%
Warm-up time (minutes)	<10
M2 factor	<1.2
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (mm)	~2.0
Beam height from base plate (mm)	27.4
Polarization ratio	>100:1 (Horizontal) (option: vertical)
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10,000
Warranty period	1 year



Note: The laser head needs to be used on a heat sink with good heat dissipation

MxL-FN-639	Laser Head Dimensions	PSU-H-FDA	Power Supply Dimensions
	<p>207(L) × 70(W) × 50(H) mm³, 2.0kg</p>		<p>275(L) × 145(W) × 104(H) mm³, 2.3kg</p>