



MLL-U-xxx-FL series

LOW NOISE INFRARED LASER

The all-solid-state, low-noise infrared laser features an ultra-compact design, a long lifetime, and easy operation. It is used in scientific experiments, optical sensors, measurement, instrumentation, communication, spectral analysis, and more.



SPECIFICATIONS

Wavelength (nm)	1319±1
Operating mode	CW
Output power (mW) ¹	1-1000
Power stability (rms, 4 hours ±3°C)	<3%, <2%, <1%
Spectral line width (nm)	<1.0
Transverse mode	TEM ₀₀
Noise of amplitude (rms, 20Hz-20MHz)	<1%
M ²	<2.0
Beam diameter at the aperture (1/e ² , mm)	~1.5
Beam divergence (mrad)	<1.5
Polarization ratio	>100:1, Horizontal (Vertical optional)
Warm-up time (minutes)	<5
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50
Beam height from base plate (mm)	73.5
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-H-FDA
Expected lifetime (hours)	>10000

