

MLL-U-473/1~100mW



SOLID STATE LOW NOISE LASER AT 473NM

All solid state 473nm low noise laser is made features of ultra-compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	473±1
Operating mode	CW
Output power (mW)	10, 20, ... 100
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Transverse mode	TEM ₀₀
Noise of amplitude (rms, 1Hz~20MHz)	<1%
Spectral linewidth (nm)	<0.2 (<0.003, optional)
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	<1.0
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)
Warm-up time (minutes)	<5
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-FDA/PSU-H-OEM
Expected lifetime (hours)	10000
Warranty	1 year



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

MLL-U-473	PSU-H-FDA	PSU-H-OEM
<p>142.5(L)×60(W)×50(H) mm³, 1.0 kg</p>	<p>275(L)×145(W)×104(H) mm³, 2.3 kg</p>	<p>235(L)×110(W)×45(H) mm³, 1.1 kg</p>