



Your source for high quality, affordable lasers

Model: MIL-FN-671/1~1000mW

DATA SHEET

LD PUMPED ALL-SOLID-STATE LOW NOISE RED LASER AT 671nm

Low noise red laser at 671nm 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.

Wavelength (nm)	671 ± 1nm	
Output power (mW)	>100, 200, ..., 1000	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Warm-up time (minutes)	<10	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at aperture (mm)	~2.0	
Beam height from base plate (mm)	27.4	
Polarization ratio	>100:1 (0 or 90 degree)	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	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-671	Laser Head Dimensions	PSU-H-LED	PSU-H-FDA
	<p>197(L) × 70(W) × 50(H) mm³, 2.0kg</p>	<p>277(L) × 145(W) × 106(H) mm³, 2.6 kg</p>	<p>236(L) × 145(W) × 104(H) mm³, 2.3kg</p>