

639 nm LD Pumped All-Solid-State Low Noise Red Laser

Model #: MLL-FN-639

Description: 639 nm LD Pumped All-Solid-State Low Noise Blue Laser. The all solid state single red laser at 457 nm features ultra-compact, long lifetime, easy operating and affordability.



Application: Test and measurement, scientific experiment, spectral analysis etc.

Specifications

Model	MLL-FN-639	
Wavelength (nm)	639±1	
Output Power (mW)	>1, 10, ...,400	>400, 500, ... 1000
Transverse Mode	Near TEM ₀₀	
Operating Mode	CW	
Power Stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%
Spectral Line Width (nm)	<0.2 (<0.003 optional)	<0.2
M ² Factor	<1.2 (1.1 optional)	<1.2
Amplitude Noise (rms, 20Hz-20MHz)	<1.0% (<0.5% optional)	<1.0%
Beam Divergence, Full Angle (mrad)	<1.5	
Beam Diameter at the Aperture (1/e ² , mm)	<1.0	
Beam Height from Base Plate (mm)	27.4	
Warm-up Time (minutes)	<10	
Polarization Ratio	>100:1 Horizontal +/- 5 degree, (vertical optional)	
Pointing Stability after Warm-up (mrad)	<0.05	
Operating Temperature (C°)	10 ~ 35	
Power Supply (90-264VAC)	PSU-H-FDA	
Expected Lifetime (hours)	10000	
Warranty Period	1 year	

Ordering Information: MLL-FN-639-A-B

A: maximum output power	B: optical power stability
1 – 1 mW	1 – 1%
10 - 10 mW	2 – 2%
100 – 100 mW	3 – 3%
X - other	

MLL-N-457	PSU-H-FDA
 <p data-bbox="527 651 803 682">197(L)×70 (W) ×50(H) mm, 2.0 kg</p>	 <p data-bbox="1031 661 1323 693">236 (L) ×145(W) ×1064(H) mm³, 2.3 kg</p>
