

1342 nm LD Pumped All-Solid-State Low Noise Infrared Laser MLL-III-1342

Model #: MLL-III-1342

Description: 1342 nm LD Pumped All-Solid-State Low Noise infrared Laser. The laser features ultra-compact, long lifetime, easy operating and affordability.


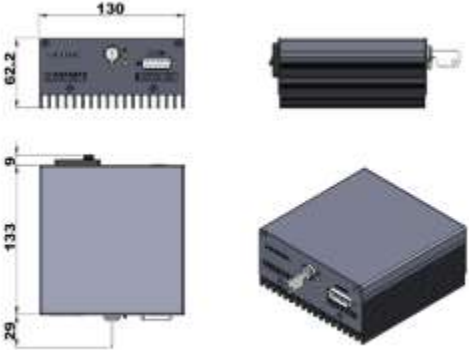
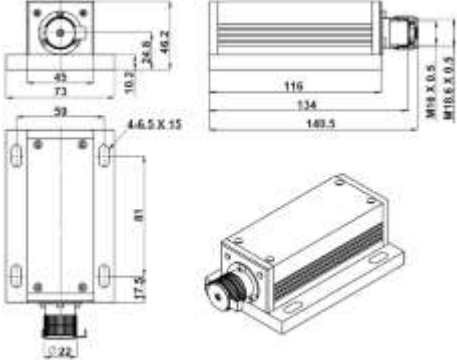
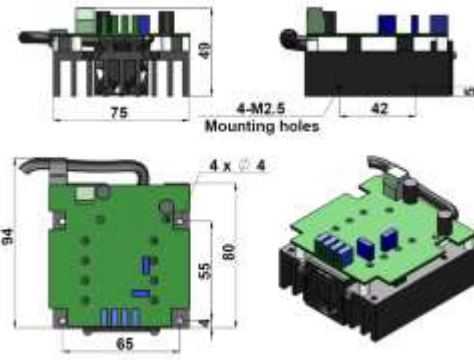
Application: Test and measurement, scientific experiment, spectral analysis etc.

Specifications

Model	MLL-III-1342	
Wavelength (nm)	1342±1	
Output Power (mW)	>1, 10, ...500	>500, 600,... 1000
Transverse Mode	TEM ₀₀	
Operating Mode	CW	
Power Stability (rms, over 4 hours)	<1%, <2%, <3%, 5%	<2%, <3%, 5%
M ² Factor	<1.2	
Amplitude Noise (rms, 20Hz-20MHz)	<1.0%	
Beam Divergence, Full Angle (mrad)	<1.5	
Beam Diameter at the Aperture (1/e ² , mm)	<1.5	
Beam Height from Base Plate (mm)	24.8	
Warm-up Time (minutes)	<10	
Polarization Ratio	>100:1	
Pointing Stability after Warm-up (mrad)	<0.05	
Operating Temperature (C°)	10 ~ 35	
Power Supply (90-264VAC)	PSU-III-FDA, PSU-III-OEM	
Expected Lifetime (hours)	10,000	
Warranty Period	1 year	

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

A: maximum output power	B: optical power stability
200 – 200 mW	1 – 1%
300 - 300 mW	2 – 2%
500 – 500 mW	3 – 3%
800 – 8000 mW	5 - 5%
1000 – 1000 mW	
X - other	

<p style="text-align: center;">MLL-III-1342</p> 	<p style="text-align: center;">PSU-III-FDA</p>  <p style="text-align: center;">133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>
<p style="text-align: center;">MLL-III-1342</p>  <p style="text-align: center;">149.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p style="text-align: center;">PSU-III-OEM-97</p>  <p style="text-align: center;">94(L) × 75(W) × 49(H) mm³, 0.23kg</p>

