

1122 nm LD Pumped All-Solid-State Infrared Laser MIL-III-1122



Model #: MIL-III-1122 (1 – 300 mW)

Description: 1122 nm LD Pumped All-Solid-State infrared Laser. The laser features ultra-compact, long lifetime, easy operating and affordability.

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

Specifications

Model	MIL-III-1122	
Wavelength (nm)	1122±3	
Output Power (mW)	>1, 50, ... 100	>100, 200,... 300
Transverse Mode	TEM ₀₀	
Operating Mode	CW	
Power Stability (rms, over 4 hours)	<1%, <2%, <3%, 5%	<2%, <3%, 5%
M ² Factor	<1.5	
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	
Pointing Stability after Warm-up (mrad)	<0.05	
Operating Temperature (C°)	10 ~ 35	
Power Supply (90-264VAC)	PSU-III-FDA, PSU-III-LED, PSU-III-OEM	
Expected Lifetime (hours)	10,000	
Warranty Period	1 year	

Ordering Information: MIL-III-1122-A-B-C

A: maximum output power	B: optical power stability	C: power supply
50 – 50 mW	1 – 1%	1 - PSU-III-FDA
100 - 100 mW	2 – 2%	2 – PSU-III-LED
200 – 200 mW	3 – 3%	3 – PSU-III-OEM
300 – 300 mW	5 - 5%	
X - other		

MIL-III-1122	PSU-III-FDA
<p data-bbox="495 806 760 825">140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6k</p>	<p data-bbox="1040 806 1295 825">153 (L) × 155(W) × 92 (H) mm³, 1.5 kg</p>
PSU-III-LED	PSU-III-OEM
<p data-bbox="521 1222 786 1241">133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>	<p data-bbox="1040 1222 1295 1241">94 (L) × 75 (W) × 49 (H) mm³, 0.23 kg</p>

