

## 1122 nm LD Pumped All-Solid-State Infrared Laser MIL-H-1122



**Model #:** MIL-H-1112 (300 – 1000 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-H-1122	
Wavelength (nm)	1122±3	
Output Power (mW)	>300, 350, ...500	>500, 600,... 1000
Transverse Mode	TEM <sub>00</sub>	
Operating Mode	CW	
Power Stability (rms, over 4 hours)	<1%, <2%, <3%, 5%	<2%, <3%, 5%
M <sup>2</sup> Factor	<2.0	
Beam Divergence, Full Angle (mrad)	<2.0	
Beam Diameter at the Aperture (1/e <sup>2</sup> , mm)	~3.0	
Beam Height from Base Plate (mm)	29.0	
Warm-up Time (minutes)	<10	
Pointing Stability after Warm-up (mrad)	<0.05	
Operating Temperature (C°)	10 ~ 35	
Power Supply (90-264VAC)	PSU-H-FDA, PSU-H-LED, PSU-H-OEM	
Expected Lifetime (hours)	10,000	
Warranty Period	1 year	

### Ordering Information: MIL-H-1122-A-B-C

A: maximum output power	B: optical power stability	C: power supply
300 – 300 mW	1 – 1%	1 - PSU-H-FDA
350 - 350 mW	2 – 2%	2 – PSU-H-LED
500 – 500 mW	3 – 3%	3 – PSU-H-OEM
800 – 8000 mW	5 - 5%	
1000 – 1000 mW		
X - other		

MIL-H-1122	PSU-H-FDA
<p data-bbox="509 825 747 842">154.5(L)×77(W)×60(H) mm<sup>3</sup>, 0.9k</p>	<p data-bbox="1036 821 1300 842">277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>
PSU-H-LED	PSU-H-OEM
<p data-bbox="496 1268 756 1285">236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kG</p>	<p data-bbox="1040 1268 1295 1285">238 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p>

