



MIL-FN-1357/1~400mW



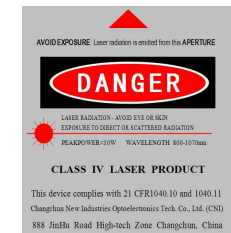
**LD PUMPED ALL-SOLID-STATE  
INFRARED LASER AT 1357nm**

All solid state infrared laser at 1357nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	1357±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 400
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	Near TEM <sub>00</sub>
M <sup>2</sup> factor	<2.0
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.5
Beam divergence, full angle (mrad)	<1.2
Polarization ratio	>100:1, Vertical±5 degree (Horizontal Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Operating temperature (°C)	15~35
Power supply (90-264VAC)	PSU-H-FDA/PSU-H-LED
Expected lifetime (hours)	10000
Warranty	1 year



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MIL-FN-1357	PSU-H-FDA	PSU-H-LED
<p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5 kg</p>	<p>275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>