

MIL-N-1342/2~3.5W



### LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1342 nm

All solid state infrared laser at 1342nm is made features of ultra compact, long lifetime and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



### SPECIFICATIONS

Wavelength (nm)	1342 ± 1	
Operating mode	CW	
Output power (W)	>2, 2.5, ... , 3.5	
Power stability (rms, over 4 hours)	<3%, <5%	
Transverse mode	Near TEM <sub>00</sub>	
M <sup>2</sup> factor	3~6	
Beam divergence, full angle (mrad)	<3.0	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~3	
Warm-up time (minutes)	<15	
Polarization ratio	>100:1	
Beam height from base plate (mm)	68.5	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-N-1342	PSU-H-LED	PSU-H-FDA
<p>245 (L) × 99 (W) × 94 (H) mm<sup>3</sup>, 2.5 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.4 kg</p>