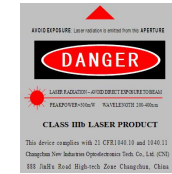




**MIL-U-xxx-FL series**

**LD PUMPED ALL-SOLID-STATE LASER**

All solid state laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



**SPECIFICATIONS**

Part number	MIL-U-1319-FL	
Wavelength (nm)	1319±1	
Operating mode	CW	
Output power (mW)	1-1000	1000-1500
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<5%, <3%, <2%
Transverse mode	TEM <sub>00</sub>	
M <sup>2</sup> factor	<1.5	<2.0
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~1.5	
Beam divergence, full angle (mrad)	<1.5	
Polarization Ratio	>100:1, Horizontal (Vertical Optional)	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	73.5	
Operating Temperature (°C)	10-35	
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, and Analog modulation optional	
Power supply (90-264VAC)	PSU-H-LED/ PSU-H-FDA/ PSU-H-OEM/ PSU-SR	
Expected lifetime (hours)	10000	
Warranty	1 year	

LASER HEAD	POWER SUPPLY (PSU-H-LED)	POWER SUPPLY (PSU-H-FDA)
<p style="text-align: center;"><b>185(L)×140(W) ×95(H) mm<sup>3</sup>, 1.6 kg</b></p>	<p style="text-align: center;"><b>273.6 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.3 kg</b></p>	<p style="text-align: center;"><b>276.6(L) ×145(W) ×103.6(H) mm<sup>3</sup>, 2.3 kg</b></p>
POWER SUPPLY (PSU-H-OEM)	POWER SUPPLY (PSU-SR)	
<p style="text-align: center;"><b>235(L) ×110(W) ×45(H) mm<sup>3</sup>, 1.1kg</b></p>	<p style="text-align: center;"><b>188(L) ×145(W) ×83(H) mm<sup>3</sup>, 1.2kg</b></p>	