**Opto Engine LLC** 

## MDL-XS-940/1~100mW



## DIODE XS SERIES LASER AT 940nm

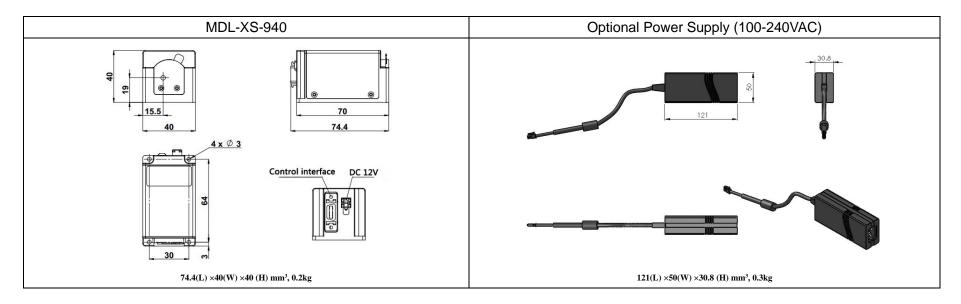
It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



## SPECIFICATIONS

Central wavelength (nm)	940±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,100	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Near TEM <sub>00</sub>	Sub/
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)	
M <sup>2</sup> factor	~1.5	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.2	
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	19	AVOID EXPOSURE. Laser radiation is emitted from this
Operating temperature (°C)	10~35	DANGER
Operating voltage	DC12V 4A	LASER RADIATION - AVOID DEPECT EXPOSITE TO BEAM PEAKFOWER-500 mW WAVELENOTH 2003000 mm
Modulation	DMOD (TTL) up to 1MHz AMOD (Analog) up to 100kHz DMOD+ AMOD (TTL + Analog)	CLASS HIB LASER PRODUCT This device complex with 21 CFR1040.10 and 1040.11 Changehm New labourie Openeteronia Tech. Ce., Ltd. (CN) 188 Junifu Road High-tech Zone Changehun, China
Expected lifetime (hours)	10000	
Warranty	1 year	

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



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## **Data sheet**

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