

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

DANGE

CLASS IIIb LASER PRODUCT

device complies with 21 CFR1040.10 and 10 chun New Industries Opnotectronics Tech. Co., Ltd furHu. Road. High-tech. Zone. Changchun, 4

MDL-XS-940/1~100mW



SPECIFICATIONS

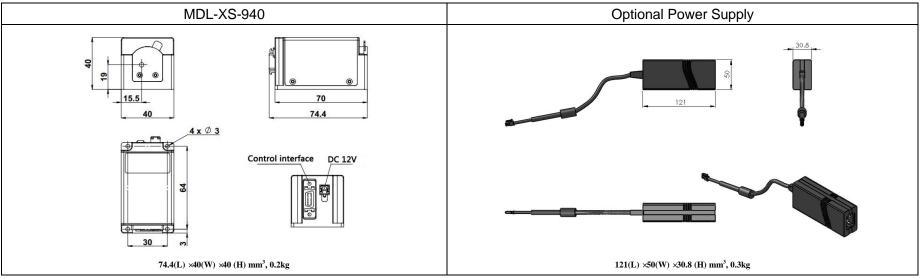
DIODE XS SERIES LASER AT 940nm

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.



Wavelength (nm)	940±5
Operating mode	CW
Output power (mW)	>1, 10, 20,,100
Power stability (rms, over 4 hours)	<1%, <3%
Transverse mode	Near TEM ₀₀
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)
M ² factor	<1.5
Beam diameter at the aperture (1/e ² ,mm)	~3.5
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	19
Operating temperature (°C)	10~35
Input voltage	+12VDC
Modulation	DMOD (TTL) or AMOD (Analog) up to 1MHz DMOD+ AMOD (TTL + Analog)
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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