

## 长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

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



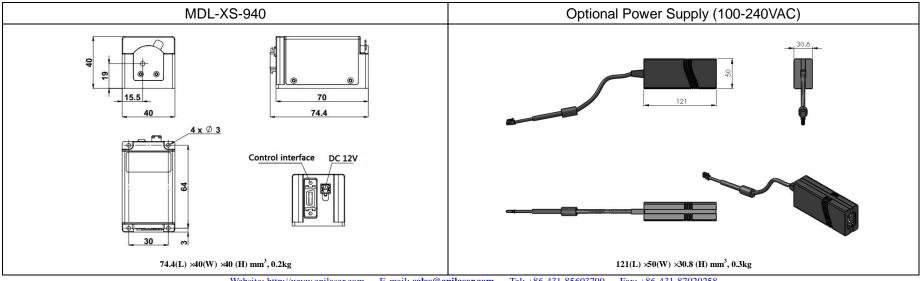
## DIODE XS SERIES LASER AT 940nm

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.



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>	
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 t
Operating temperature (°C)	10~35	DANGER
Operating voltage	DC12V 4A	LASER PADIATION - AVOID DRECT EXPOSURE TO BEAM PEAKPOWER-300 mW WAVELENDTH 200,3000 mm
Modulation	DMOD (TTL) up to 1MHz AMOD (Analog) up to 100kHz DMOD+ AMOD (TTL + Analog)	CLASS IIIb LASER PRODUCT This device complies with 21 GFR1040.10 and 1040.11 Canactum New Induction Optionferctions: Tech. Co., Ltd. (CN) 888 JunHu Road High-tech Zoar Changchan. 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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