

## 长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

## MDL-XS-980/1~50mW



## DIODE XS SERIES LASER AT 980nm

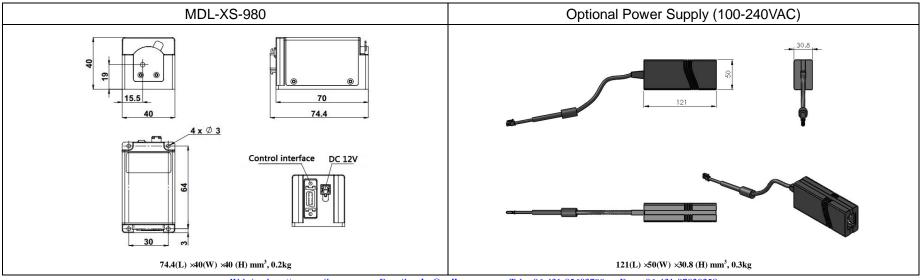
It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



SPECIFICATIONS	
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Central wavelength (nm)	980±10		
Operating mode	CW	_	
Output power (mW)	>1, 10, 20,,50		
Power stability (rms, over 4 hours)	<1%, <2%, <3%		
Transverse mode	Near TEM <sub>00</sub>	- Sule	
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)		
M <sup>2</sup> factor	~1.5	- m	
Beam diameter at the aperture $(1/e^2,mm)$	~1.2		
Beam divergence, full angle (mrad)	<1.0		
Warm-up time (minutes)	ব		
Beam height from base plate (mm)	19	AVOID EXPOSURE: Laser rad	
Operating temperature ( $^{\circ}$ C)	10~35		
Operating voltage	DC12V 4A	LASER RADIATION - AVOID DE	
Modulation	DMOD (TTL) up to 1MHz AMOD (Analog) up to 100kHz DMOD+ AMOD (TTL + Analog)	CLASS HID LASE This device complies with 21 Cl Changchin New Industries Optories 888 JinHu Road High-tech Zo	
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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