

## 长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

## MDL-XS-375/1~50mW



SPECIFICATIONS

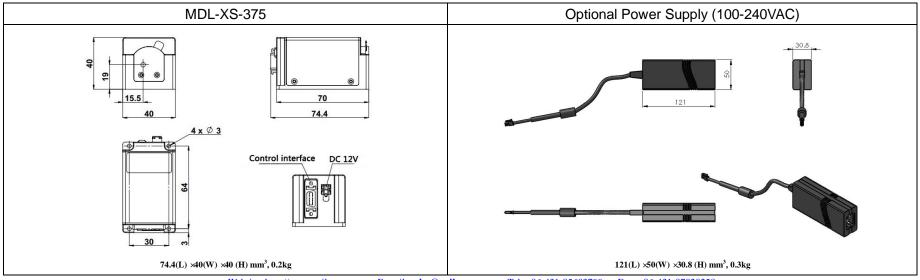
## DIODE XS SERIES LASER AT 375nm

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)	375±5	
Operating mode	CW	
Output power (mW)	>1, 2, 3,,50	
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 $(1/e^2,mm)$	~1.2	
Beam divergence, full angle (mrad)	<1.0	
Polarization ratio	>10:1 (>50:1, optional) Horizontal ±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	19	Late Later reduktion is emitted from this
Operating temperature (°C)	10~35	
Operating voltage	DC12V 4A	
Modulation	DMOD (TTL) up to 1MHz AMOD (Analog) up to 100kHz DMOD+ AMOD (TTL + Analog)	CLASS IIIb LASER PRODUCT This device complies with 21 CFR1040.10 and 1040.11 Changehan New Jahnwas Openetwonia Tech. Ce., Ltd. (CN) 188 JiaHu Road High-tech Zoar Changchun, 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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