

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

MDL-XS-420/1~120mW



DIODE XS SERIES LASER AT 420nm

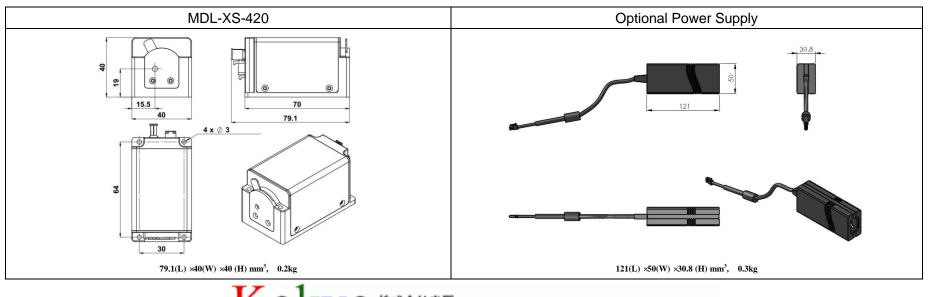
SPECIFICATIONS

Diode XS series laser module at 420nm, features with integrated electronics, plug and play, miniaturization, standardization of interface advantages of continuous diode lasers. It is the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



Wavelength (nm)	420±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,120	
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	<1.2	
Beam diameter at the aperture (1/e ² ,mm)	~1.0	
Beam divergence, full angle (mrad)	<1.0	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	AVOIDEXP
Beam height from base plate (mm)	19	
Operating temperature (°C)	10~35	
Input voltage	+12VDC	CLA: This device o
Modulation option	DMOD (TTL) or AMOD (Analog) up to 1MHz DMOD+ AMOD (TTL + Analog)	Changchun Nev 888 JinHu F
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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