

## 长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

RODUCT

040.10 and 1040. In Tech. Co., Ltd. (Cl Changchun, Chin

## MDL-XS-655/1~80mW



## DIODE XS SERIES LASER AT 655nm

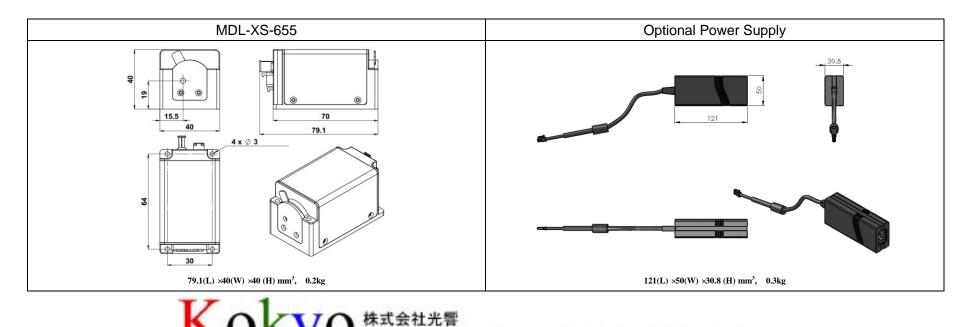
**SPECIFICATIONS** 

Diode XS series laser module at 655nm, 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.



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Wavelength (nm)	655±10	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,80	
Power stability (rms, over 4 hours)	<1%, <3%	
Transverse mode	Near TEM <sub>00</sub>	
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.0	
Beam divergence, full angle (mrad)	<1.0	1
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	-
Beam height from base plate (mm)	19	AVOID EXPOSURE: Laser rad
Operating temperature (°C)	10~35	DANG
Input voltage	+12VDC	PEAKFOWER<30 mW WA
Modulation option	DMOD (TTL) or AMOD (Analog) to 1MHz DMOD+ AMOD (TTL + Analog)	CLASS HID LASER This device complies with 21 CF Changchun New Industries Optoelecter 888 JinHu Road High-tech Zor
Expected lifetime (hours)	10000	1
Warranty	1 year	]

Note: The laser head needs to be used on a heat sink with good heat dissipation.



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