

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd.

DATA SHEET

ENPOSURETO BEAM NOTH 200-3000 mm PRODUCT 040.10 mmd 1040.1 s Tech. Co., Lud. (CD Changchun, Chim

MDL-XS-650/1~80mW



DIODE XS SERIES LASER AT 650nm

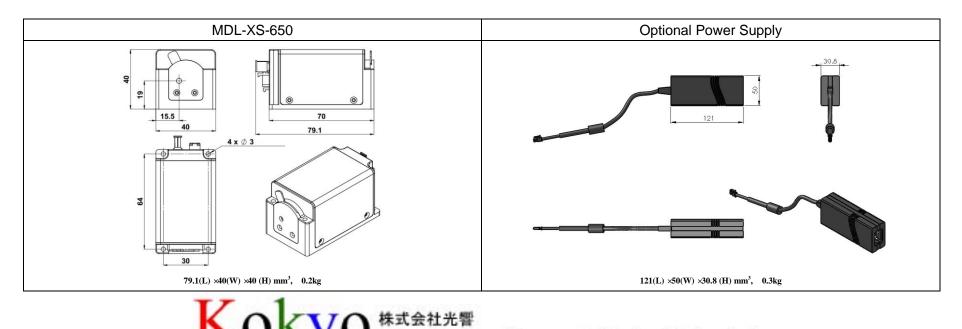
SPECIFICATIONS

Diode XS series laser module at 650nm, 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)	650±10	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,80	
Power stability (rms, over 4 hours)	<1%, <3%	
Transverse mode	Near TEM ₀₀	N.I.Z
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)	
M ² factor	<1.2	775
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	
Beam height from base plate (mm)	19	AVOID EXPOSURE: Laser radiation
Operating temperature (°C)	10~35	DANGE
Input voltage	+12VDC	PEAKPOWER-300 BW WAVELEND
Modulation option	DMOD (TTL) or AMOD (Analog) up to 1MHz DMOD+ AMOD (TTL + Analog)	CLASS HIB LASER PR This device complies with 21 CFR1040 Changchun New Industries Optorferenceits T 888 JinHu Road High-tech Zone Ch
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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