**Opto Engine LLC** 

## MDL-XS-405/1~200mW



## DIODE XS SERIES LASER AT 405nm

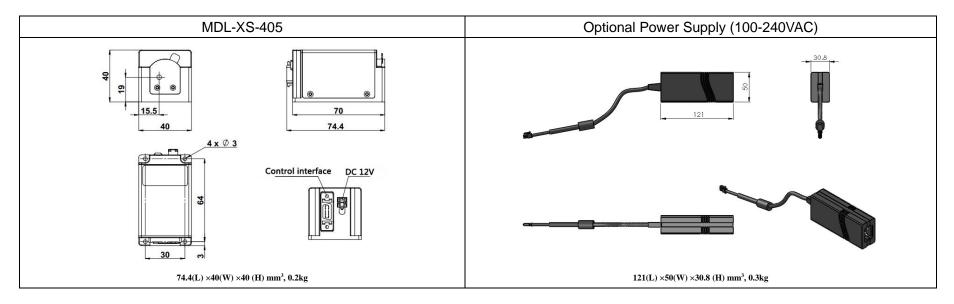
It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



## **SPECIFICATIONS**

Central wavelength (nm)	405±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,200	
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	<1.2	
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	~1.2	
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 is emitted from this
Operating temperature ( $^{\circ}$ C)	10~35	DANGER
Operating voltage	DC12V 4A	Last backets - one start the weather that the start of th
Modulation	DMOD (TTL) up to 1MHz AMOD (Analog) up to 100kHz DMOD+ AMOD (TTL + Analog)	
Expected lifetime (hours)	10000	
Warranty	1 year	1

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



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## **Data sheet**

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