MDL-XS-940/1~100mW



DIODE XS SERIES LASER AT 940nm

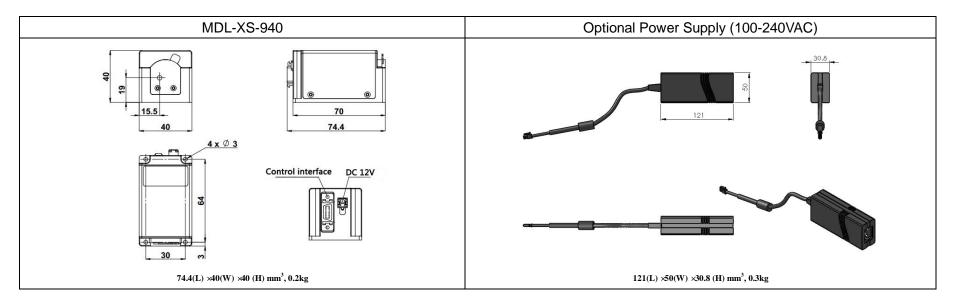
It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision.



SPECIFICATIONS

Central wavelength (nm)	940±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20,,100	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Near TEM ₀₀	
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)	
M ² factor	~1.5	
Beam diameter at the aperture $(1/e^2,mm)$	~1.2	
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	ব	
Beam height from base plate (mm)	19	AVOID EXPOSURE: Laser radiation is emitted from
Operating temperature (°C)	10~35	DANGER
Operating voltage	DC12V 4A	LASER PADEATION - AVOID DIRECT EXPOSITE TO BEAM PEAKPONER-100 mW WAVELENDTH 200,2000 mm
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 1040.1 Changeham New Industries Opendersconins Tech. Co., Lui. (CN 818 JinHu Road High-tech Zone Changehau, Chin
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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