

MDL-XS-980/1~50mW



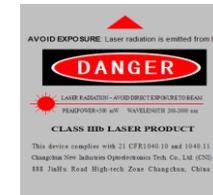
**DIODE XS SERIES LASER
AT 980nm**

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.

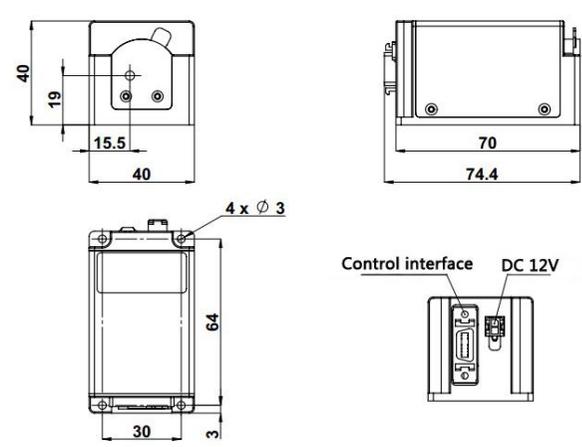
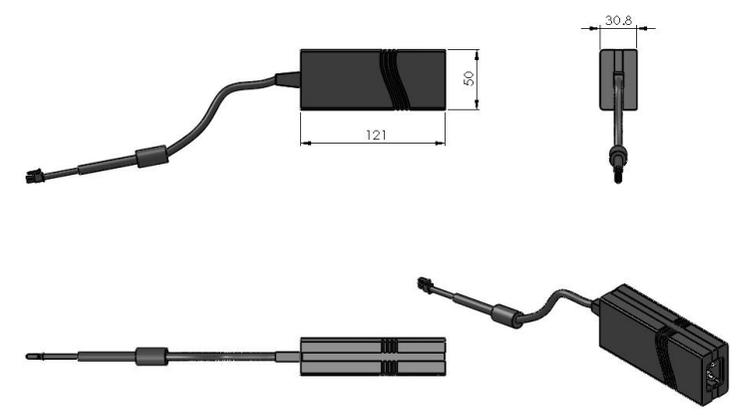


SPECIFICATIONS

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| Central wavelength (nm) | 980±10 |
| Operating mode | CW |
| Output power (mW) | >1, 10, 20, ...,50 |
| 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) | <5 |
| Beam height from base plate (mm) | 19 |
| Operating temperature (°C) | 10~35 |
| Operating voltage | DC12V 4A |
| Modulation | DMOD (TTL) up to 1MHz |
| | AMOD (Analog) up to 100kHz |
| | DMOD+ AMOD (TTL + Analog) |
| 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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| <p style="text-align: center;">MDL-XS-980</p>  <p style="text-align: center;">74.4(L) ×40(W) ×40 (H) mm³, 0.2kg</p> | <p style="text-align: center;">Optional Power Supply (100-240VAC)</p>  <p style="text-align: center;">121(L) ×50(W) ×30.8 (H) mm³, 0.3kg</p> |
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