

MDL-XS-450/1~80mW



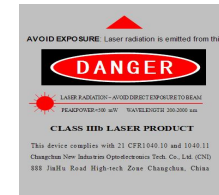
**DIODE XS SERIES LASER
AT 450nm**

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.

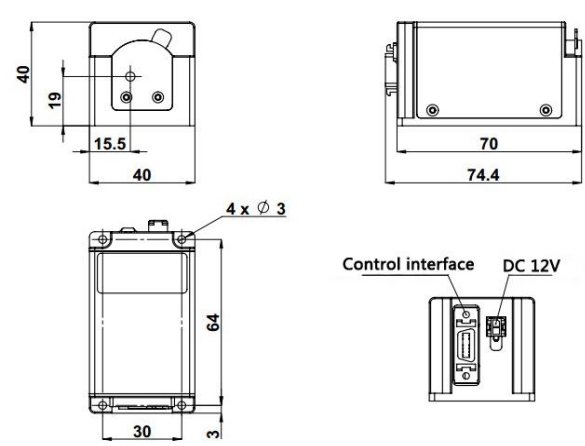
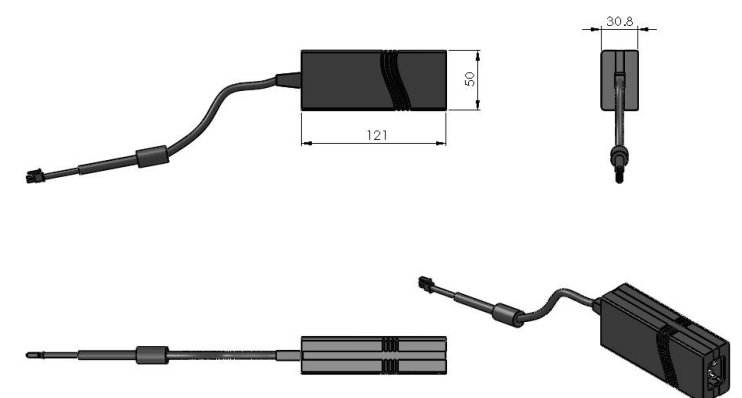


SPECIFICATIONS

| | |
|--|---|
| Central wavelength (nm) | 450±5 |
| Operating mode | CW |
| Output power (mW) | >1, 2, 3, ...,80 |
| Power stability (rms, over 4 hours) | <3%, <2%, <1% |
| Transverse mode | Near TEM ₀₀ |
| Noise of amplitude(rms,20Hz~20MHz) | <1%(<0.5%, optional) |
| M ² factor | <1.2 |
| Beam diameter at the aperture (1/e ² ,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 |
| 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.

| MDL-XS-450 | Optional Power Supply (100-240VAC) |
|---|--|
|  <p>74.4(L) × 40(W) × 40(H) mm³, 0.2kg</p> |  <p>121(L) × 50(W) × 30.8(H) mm³, 0.3kg</p> |