

MIL-H-1040/1~100mW

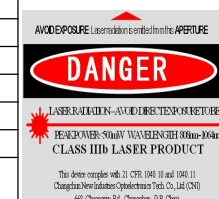
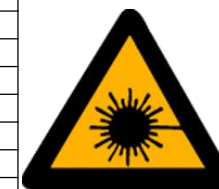
LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1040 nm




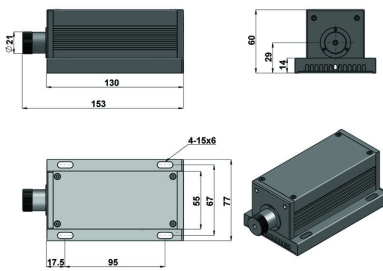
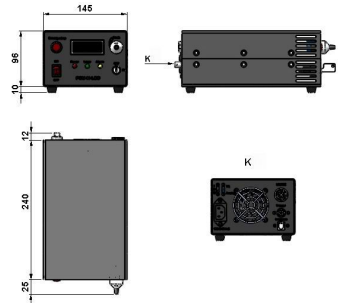
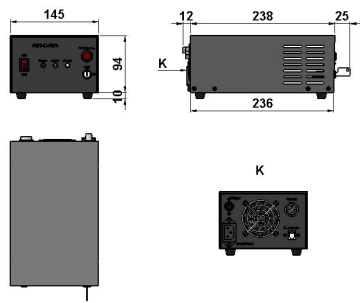
All solid state infrared laser at 1040 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | |
|---|---|-----------|
| Wavelength (nm) | 1040±1 | |
| Output power (mW) | >1, 2, 3, ... ,100 | |
| Laser crystal | Yb:YAG | |
| Transverse mode | TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <3%, <5%, <10% | |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.2 | |
| Beam divergence, full angle (mrad) | <2.0 | |
| Beam diameter at the aperture (mm) | ~3.0 | |
| Beam height from base plate (mm) | 29 | |
| Polarization ratio | >3:1(Arbitrarily degree) | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Operating temperature (°C) | 10-35 | |
| Power supply (90-264VAC) | PSU-H-LED | PSU-H-FDA |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



| MxL-H-1040 | PSU-H-LED | PSU-H-FDA |
|---|--|---|
|  <p>153(L)×77(W)×60(H) mm³, 0.9 kg</p> |  <p>277(L) ×145(W) ×106 (H) mm³, 2.6 kg</p> |  <p>275 (L) ×145(W) ×104 (H) mm³, 2.3 kg</p> |
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