

MIL-W-1834/1~1300mW

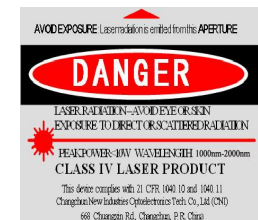
**LD PUMPED ALL-SOLID-STATE
INFRARED LASER AT 1834nm**

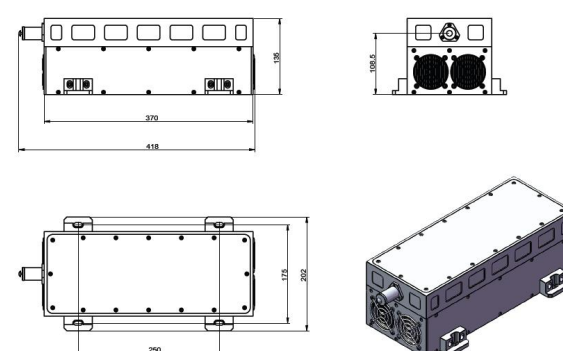
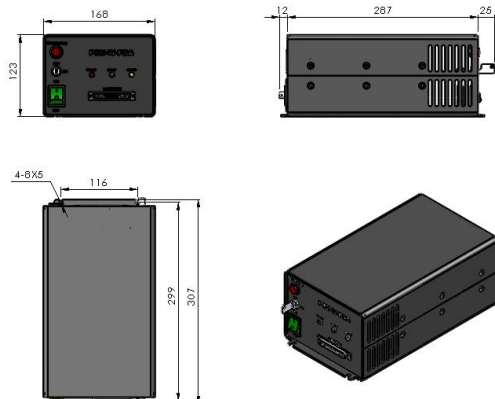
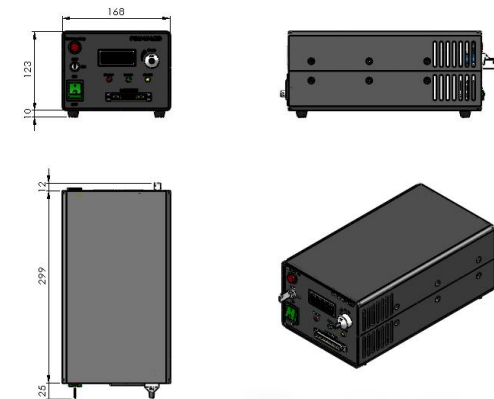
All solid state 1834nm infrared laser is made features of high power ,good beam quality and easy operating, which is widely used in material processing especially for plastics, and it use for pumping of laser sources for the mid infrared region, medical procedures such as precise tissue ablation, ophthalmic surgery or dentistry, suppresses the bleeding during operations, etc.



SPECIFICATIONS

| | |
|--|--|
| Wavelength (nm) | 1834±2 |
| Operating mode | CW |
| Output power (mW) | >1~ 1300 |
| Power stability (rms, over 4 hours) | <1%, <3%, 5% |
| Transverse mode | Near TEM ₀₀ |
| M ² factor | <3.0 |
| Beam divergence, full angle (mrad) | <2.0 |
| Beam diameter at the aperture (1/e ² ,mm) | <2.0 |
| Beam height from base plate (mm) | 108.5 |
| Warm-up time (minutes) | <10 |
| Operating temperature (°C) | 10~35 |
| Power supply (90-264VAC) | PSU-W-LED or PSU-W-FDA |
| TTL/Analog modulation | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional |
| Expected lifetime (hours) | 10000 |
| Warranty period | 1 year |



| MIL-W-1834 | PSU-W-FDA | PSU-W-LED |
|--|--|--|
|  <p>418(L)×202(W)×135(H) mm³, 9.5kg</p> |  <p>307 (L) ×168(W) ×123(H) mm³, 4.5kg</p> |  <p>336 (L) ×168 (W) ×133 (H) mm³, 4.6 kg</p> |