

MIL-H-1413/1~300mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1413nm





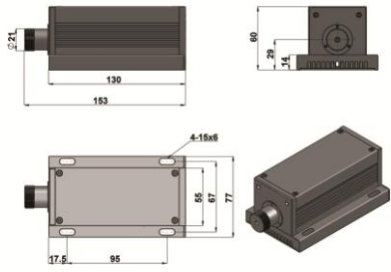
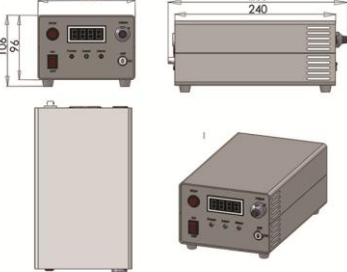
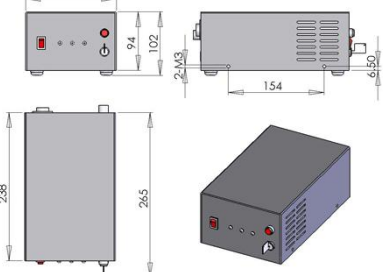
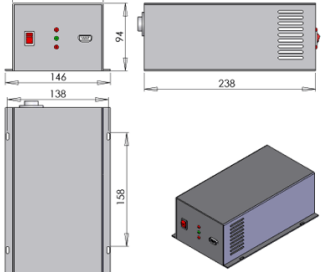
All solid state infrared laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|--|---|-----------|-----------|
| Wavelength (nm) | 1413±2 | | |
| Output power (mW) | >1, 5, 10, 20... , 300 | | |
| Transverse mode | Near TEM ₀₀ | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5%, <10% | | |
| Warm-up time (minutes) | <10 | | |
| M ² factor | <1.5 | | |
| Beam divergence, full angle (mrad) | <1.5 | | |
| Beam diameter at the 1/e ² (mm) | ~1.5 | | |
| Beam height from base plate (mm) | 29 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC) | PSU-H-LED | PSU-H-FDA | PSU-H-OEM |
| 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-1413 | PSU-H-LED | PSU-H-FDA | PSU-H-OEM |
|--|---|---|--|
|  <p>153(L)×77(W) ×60(H) mm³, 0.9 kg</p> |  <p>268 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p> |  <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p> |  <p>238 (L) ×146(W) ×94 (H) mm³, 2.2 kg</p> |
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