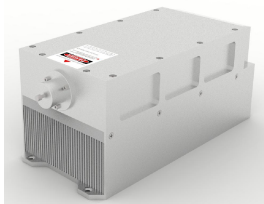




MDL-XN-7500-DFB/1~15mW



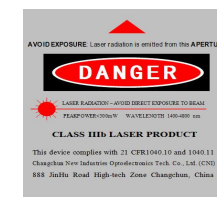
INFRARED QCL DIODE LASER  
AT 7500nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.

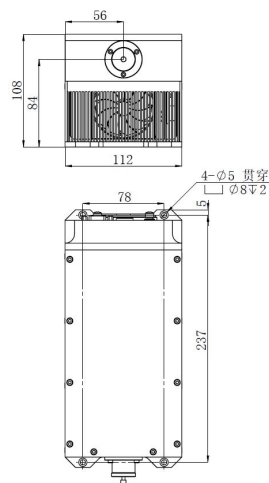


SPECIFICATIONS

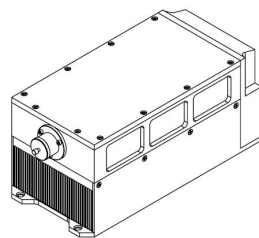
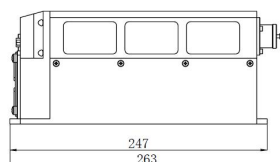
|                                         |                    |
|-----------------------------------------|--------------------|
| Central wavelength (um)                 | 7.50±0.1           |
| Spectral linewidth (MHz)                | <50                |
| Side-Mode Suppression Ratio(dB)         | >25                |
| Operating mode                          | CW                 |
| Output power (mW)                       | >1, 5, 10, ... ,15 |
| Power stability (rms, over 4 hours)     | <3%, <2%, <1%      |
| Transverse mode                         | Near TEM00         |
| Dimensions of beam at the aperture (mm) | <3                 |
| Beam divergence, full angle (mrad)      | <5.0               |
| Warm-up time (minutes)                  | <10                |
| Beam height from base plate (mm)        | 84                 |
| Operating temperature (℃)               | 20~35              |
| Power supply (100-240VAC)               | PSU-H-LED          |
| Modulation @ internal trigger           | TTL 1Hz-1kHz       |
| Expected lifetime (hours)               | 10000              |
| Warranty                                | 1 year             |



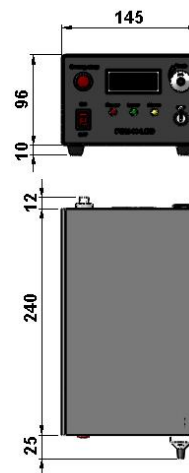
MDL-XN-7500



263 (L) × 112 (W) × 108 (H) mm<sup>3</sup>, 3kg



PSU-H-LED



277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.3kg

