

ML637G473 Series 637nm/532nm/473nm Fiber Coupled Triple Wavelength Multi-Line Laser System up to 200mW

Overview

The ML637G473 series multi-line fiber coupled laser is ideal for applications that require three wavelengths at 637nm, 532nm and 473nm, and output power levels up to 200mW. The laser features a flexible design that enables integration of optional AOM modulators that allow fast modulation of DPSS lasers, and a robust design that provides excellent long-term stability and outstanding flexibility for many applications. The laser is widely used in fluorescence microscopy, flow cytometry, confocal microscopy, and optogenetics applications.

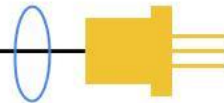


Specifications

| | | |
|-------------------------------------|---|---|
| Model Number | ML637G473-XPQL | |
| Wavelength (nm) | Red at 637nm, Green at 532nm, Blue at 473nm | |
| Fiber core diameter (um) | 4um Single mode | |
| Fiber connector | FC | |
| Fiber length (m) | 1 | |
| Total output power after fiber (mW) | >10 (X=10), >20 (X=20), >50 (X=50), >100 (X=100), >200 (X=200) | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <5% (P=A), <3% (P=E), <2% (P=2) | |
| Warm-up time (minutes) | <10 | |
| Operating temperature (°C) | 10-35 | |
| Dimensions of laser head (mm) | 308.7(L)x288(W) x88(H) mm ³ | |
| Weight of laser head (kg) | 12.0 kg | |
| RGB Laboratory Power Supply | Input voltage | 100-240VAC |
| | Dimensions | 305.5(L) x215(W) x120(H) mm ³ |
| | Weight | 5.0 kg |
| Modulation option | | None (Q=0) |
| | TTL | 1Hz-1kHz (Q=T1), 1kHz-10kHz (Q=T2), 10kHz-30kHz (Q=T3) |
| | Analog | 1Hz-1kHz (Q=A1), 1kHz-10kHz (Q=A2), 10kHz-30kHz (Q=A3) |
| Expected lifetime (hours) | 10,000 | |
| Warranty period | 10 months | |
| FDA Compliance | FDA CDRH Title 21 CFR 1040.10/11 Class IV | |

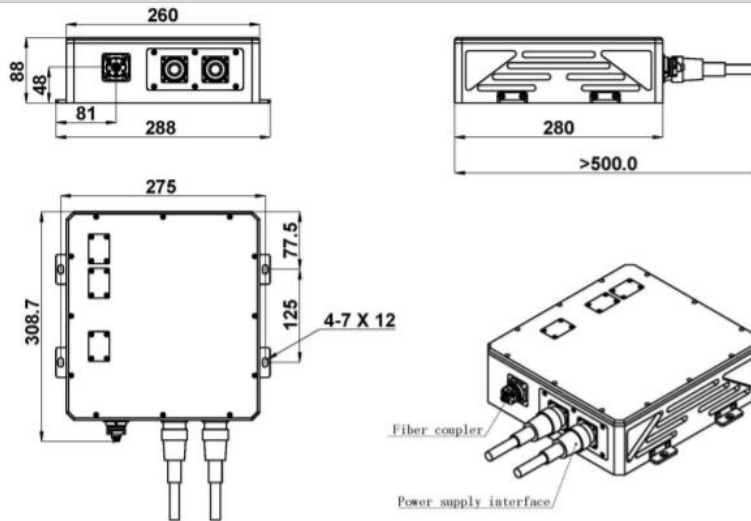
Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.

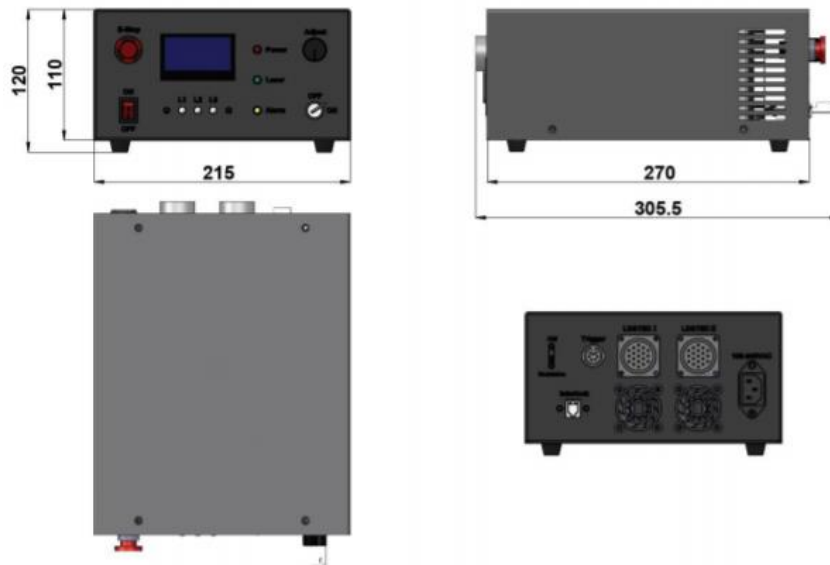


Outline Dimensions (unit: mm)

Laser Head



Power Supply



Note: The above specifications are subject to change without notice.