



DPSF488 Series 488nm CW DPSS Laser System up to 300mW

Overview

The DPSF488 series diode pumped solid state (DPSS) laser is ideal for applications that require a wavelength of 488nm and output power levels up to 300mW. The laser features a compact design, long lifetime, easy operation, and FDA-compliant system with driver. The laser is widely used in laser display, medical treatment, scientific research, and many other applications.



Specifications

| | | |
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| Model Number | DPSF488-XYZ | |
| Wavelength (nm) | 488±1 | |
| Output power (mW) | >10 (X=10), >30 (X=30), >50 (X=50), >100 (X=100), >200 (X=200), >300 (X=300) | |
| Transverse mode | Near TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <10% (Z=B), 5% (Z=A), <3% (Z=E) | |
| Beam diameter at aperture (1/e ² , mm) | ~4 | |
| Beam divergence, full angle (mrad) | <3 | |
| Polarization ratio | >100:1 | |
| Warm-up time (minutes) | <10 | |
| Beam height from base plate (mm) | 99 | |
| Operating temperature (°C) | 15-30 | |
| Dimensions of laser head (mm) | 226(L)×150(W) ×133(H) mm ³ | |
| Weight of laser head (kg) | 7.5 kg | |
| Power supply options | | |
| High Power W Version Elite Power Supply (Y=W) | Input voltage | 90-264VAC |
| | Dimensions | 307(L) ×168(W) ×123(H) mm ³ |
| | Weight | 4.5 kg |
| | Notes | Fixed output power |
| Expected lifetime (hours) | 10,000 | |
| Warranty period | 10 months | |
| FDA Compliance | FDA CDRH Title 21 CFR 1040.10/11 Class IV | |

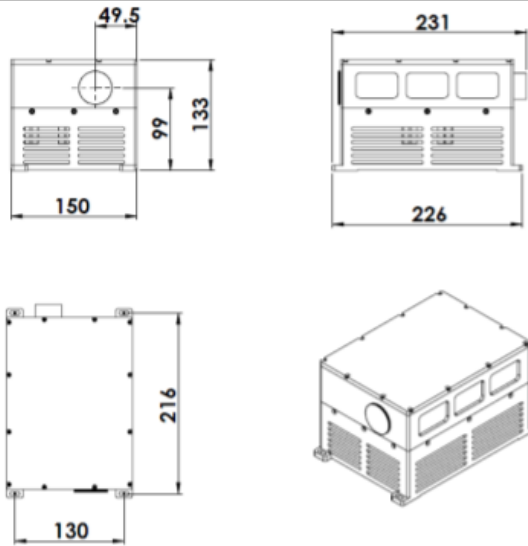
Remarks:

- 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.

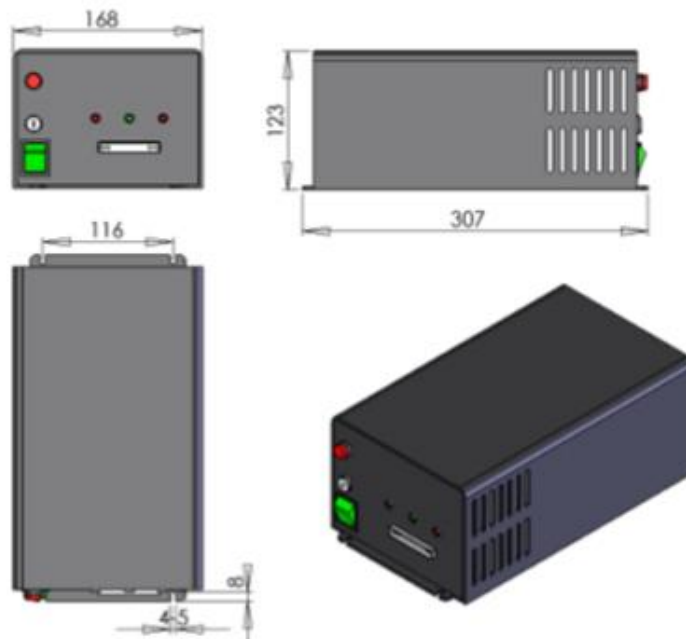


Outline Dimensions (unit: mm)

Laser Head



Power Supply



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