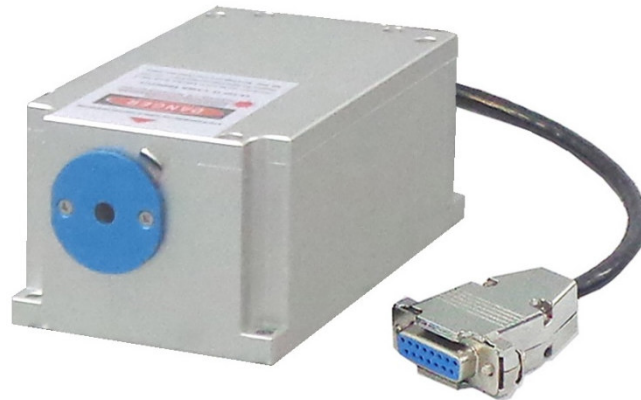


ZFA-V-442

LONG COHERENT LENGTH DIODE LASER AT 442nm



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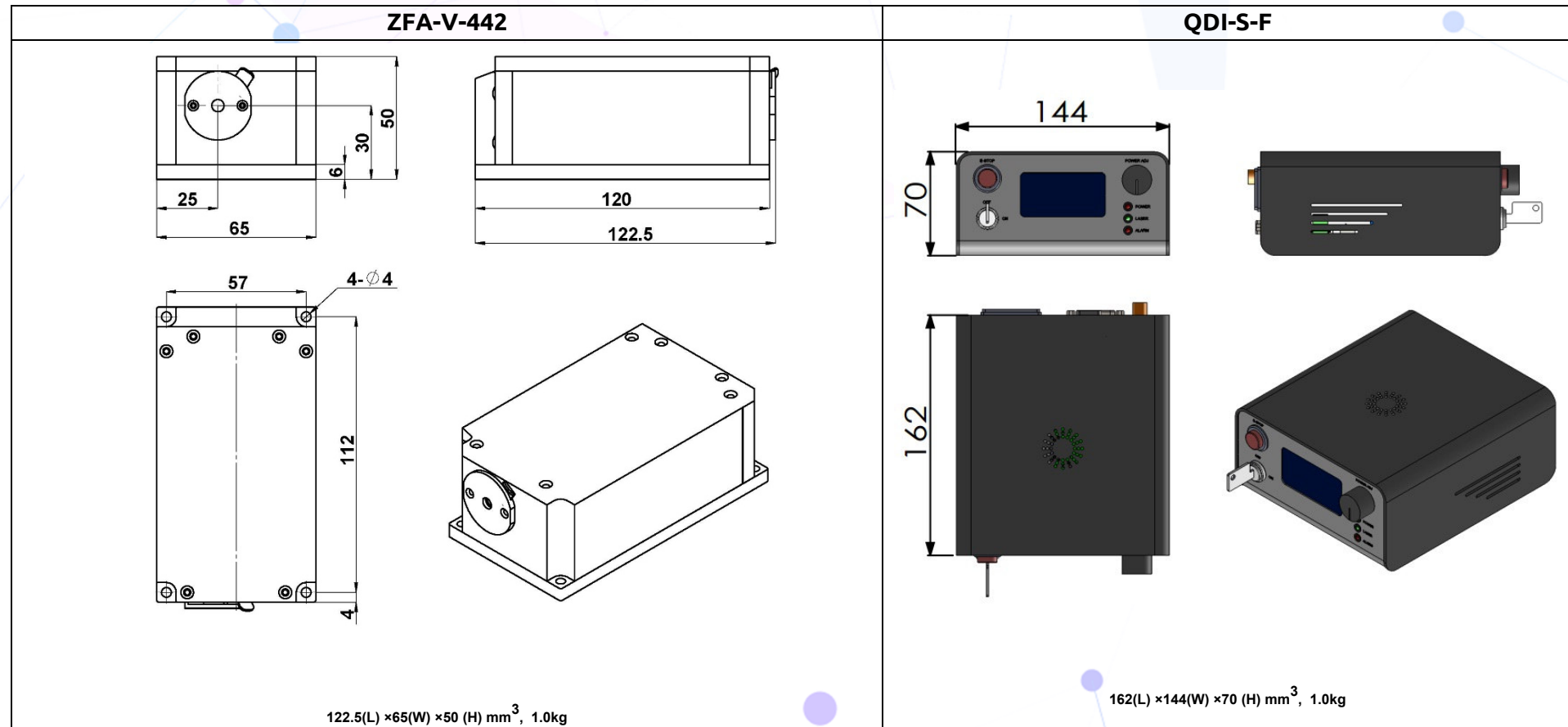
WE BRING TOMORROW'S
TECHNOLOGY. TODAY!

| | |
|---|---|
| Central wavelength (nm) | 442±0.5 |
| Operating mode | CW |
| Output power (mW) | >1, 2, 3, ...,30 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% |
| Transverse mode | Multimode |
| Coherent length (m) | >1 |
| Beam diameter at the aperture (1/e ² , mm) | ~2.5×1.0 |
| Beam divergence, full angle (mrad) | ~0.5×4.0 |
| Polarization ratio | >50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional) |
| Warm-up time (minutes) | <5 |
| Beam height from base plate (mm) | 30 |
| Operating temperature (°C) | 20~30 |
| Power supply (100-240VAC) | QDI-S-F |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |

Product Drawings | ZFA-V-442

LONG COHERENT LENGTH DIODE LASER

It features a long coherence length, stable wavelength, extended lifetime, and ease of operation. These lasers are widely used in applications such as holography, interferometry, fluorescence analysis, photolithography, flow cytometry, DNA sequencing, Raman spectroscopy, laser radar (LIDAR), and precision metrology.



Note:
Specifications subject to change without notice.