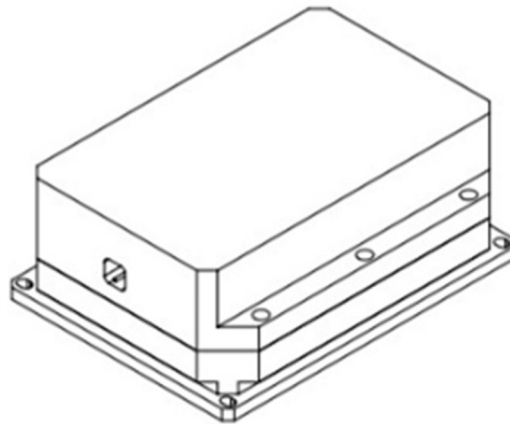


ZFA-F-442-PRZ/4-6W

OEM BLUE DIODE LASER

AT 442nm



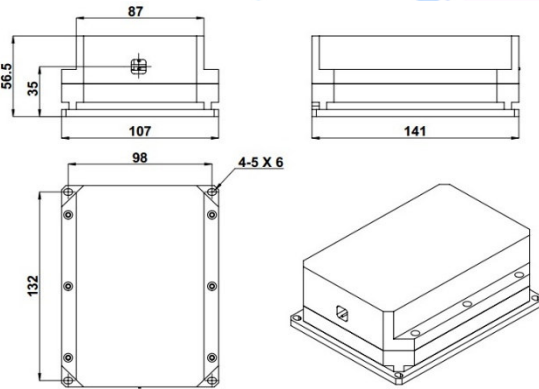
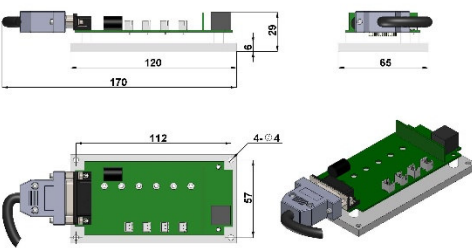
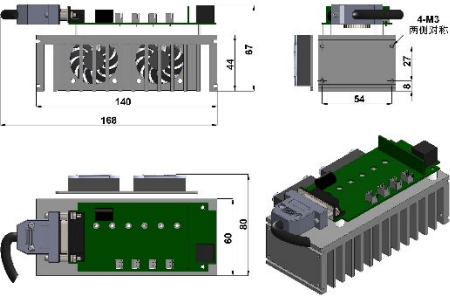
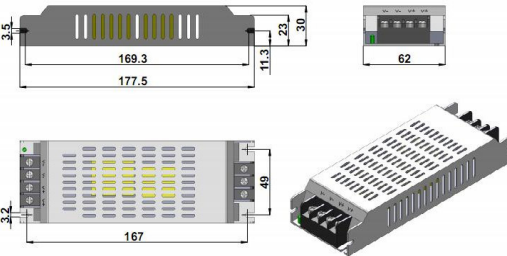
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TECHNOLOGY. TODAY!

Central wavelength (nm)	442±5
Operating mode	CW
Output power (mW)	>4000, 5000, 6000
Power stability (rms, over 4 hours) at 25°C	<1%, <2%, <3%
Polarization direction	Horizontal+ Vertical
Beam diameter at the aperture (mm)	~3.2×3.2
Beam divergence, full angle (mrad)	~1.4×0.2
Warm-up time (minutes)	<5
Beam height from base plate (mm)	35
Operating temperature (°C)	25+/-3
Driver (12VDC 15A)	QDI-QM7-PRZ/ QDI-QM7-PRZ-J
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours)	10000
Warranty	1 year

This laser features an ultra-compact design, long operational lifetime, cost-effectiveness, and ease of operation. It is widely used in measurement, communications, spectrum analysis, and related applications.

ZFA-F-442-PRZ	QDI-QM7-PRZ	QDI-QM7-PRZ-J	Accessory (Power supply 100-240VAC)
 <p data-bbox="190 965 481 997">141(L)×107(W)×56.5(H)mm³, 2.2kg</p>	 <p data-bbox="728 949 1019 981">120(L)×65(W) ×29(H) mm³, 0.3kg</p>	 <p data-bbox="1243 949 1534 981">140(L)×80(W) ×67(H) mm³, 0.6 kg</p>	 <p data-bbox="1758 949 2049 981">177.5(L)×62(W) ×30(H) mm³, 0.5kg</p>

Note:
Specifications subject to change without notice.