

YL-I-640/ 1-8W

DIODE LASER AT 640nm

The 640nm diode laser features an ultra-compact design, a long lifetime, and easy operation. It is also easy to install in customers' equipment.

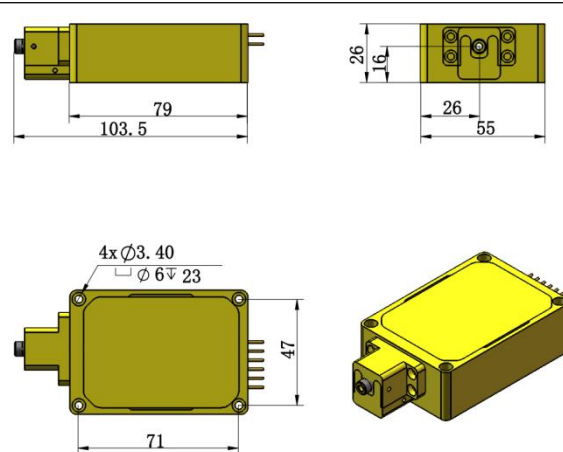
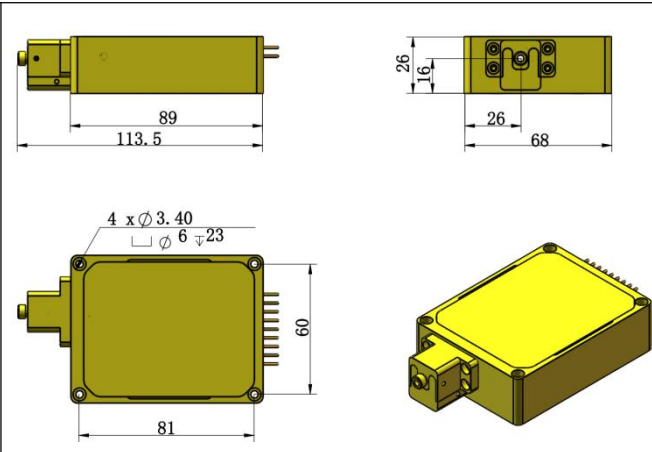
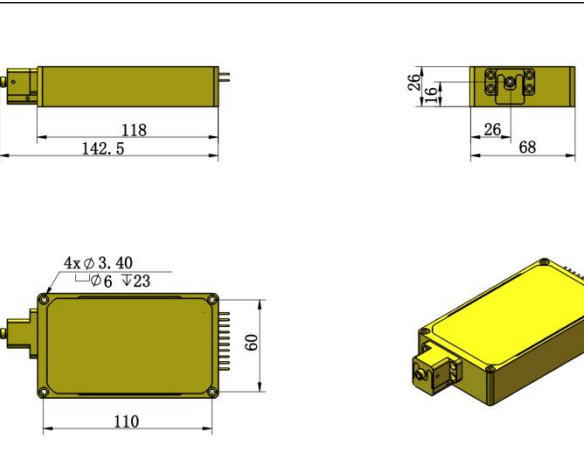


SPECIFICATIONS

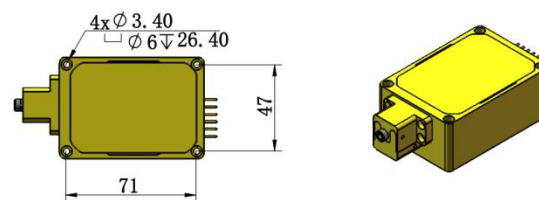
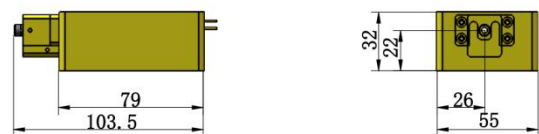
Wavelength (nm)	640±5
Operating mode	CW
Output power (W) @ after 400um fiber ¹	1-8
Fiber Core Diameter (um)	100, 200, 400, 600, 0.22NA
Fiber Connector	SMA905, FC/PC optional
Fiber lengths ²	1m
Fiber Jacket	PVC, Metal optional
Power stability (rms, 4 hours±3°C)	<2% , <1%
Cooled method	Air cooled
Warm-up time (minutes)	<5
Operating temperature (°C)	0-30
Operating voltage (VAC)	100-240
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000



LASER HEAD (Without TEC)

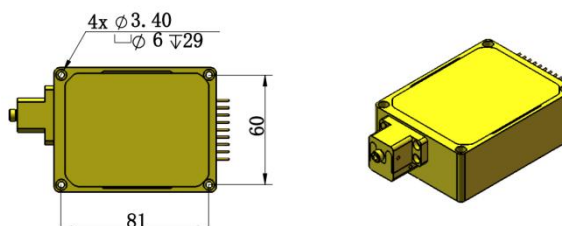
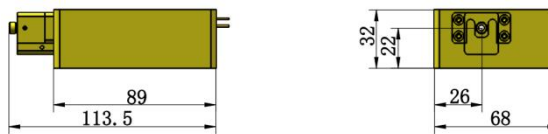
 1-4W 103.6 (L)*55 (W)*26 (H) mm³, 0.86kg	 5-6W 113.5 (L)*68 (W)*26 (H) mm³, 1.12kg	 7-8W 142.5 (L)*68 (W)*26 (H) mm³, 1.48kg
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LASER HEAD (With TEC)



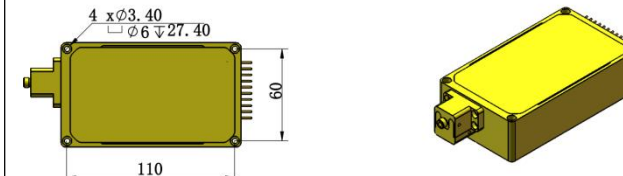
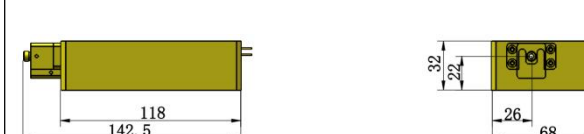
1-4W

103.6 (L)*55 (W)*32 (H) mm³, 0.83kg



5-6W

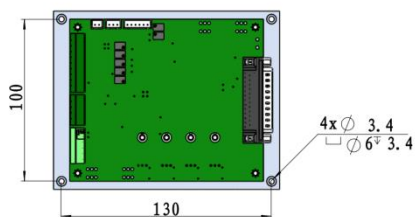
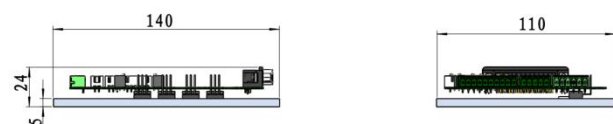
113.5 (L)*68 (W)*32 (H) mm³, 1.1kg



7-8W

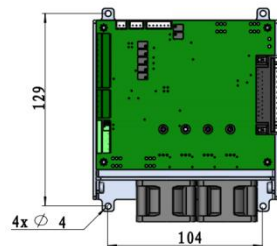
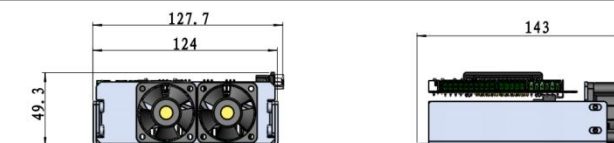
142.5 (L)*68 (W)*32 (H) mm³, 1.43kg

DRIVER (Optional)



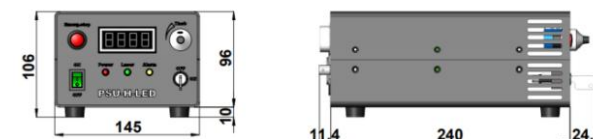
WT-GOLD

140 (L)*110 (W)*24 (H) mm³, 0.5kg



WT-GOLD

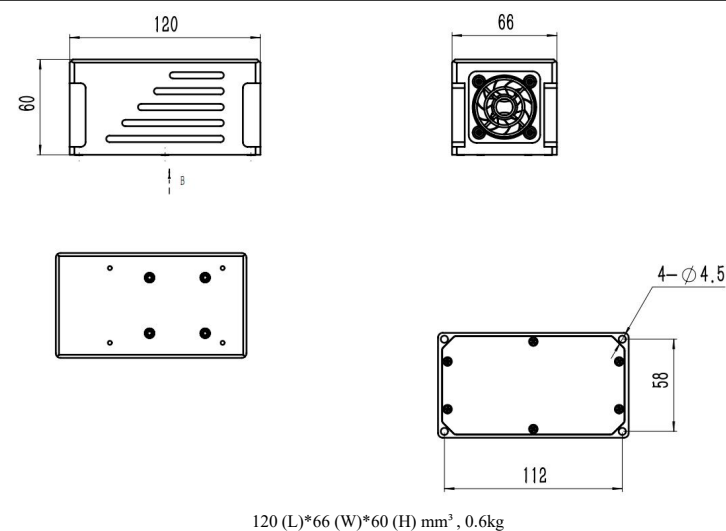
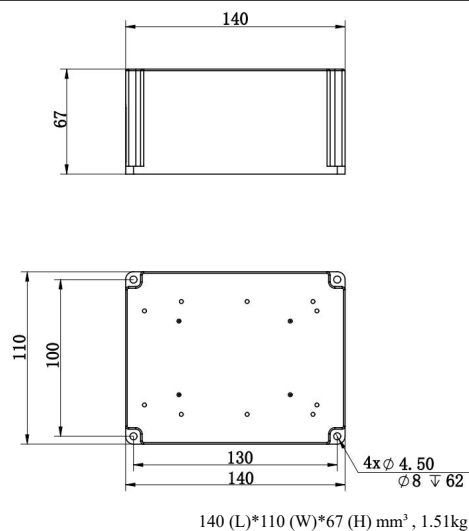
143 (L)*127.7 (W)*49.3 (H) mm³, 0.9kg



PSU-H-LED

276.2 (L)*145 (W)*106 (H) mm³, 2.9kg

HEATSINK



- 1 Any power level can be selected in this range.
- 2 other lengths are available on request.