

YL-I-638 1~8W

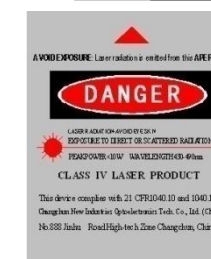
DIODE LASER AT 638nm

Diode laser 638nm is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.

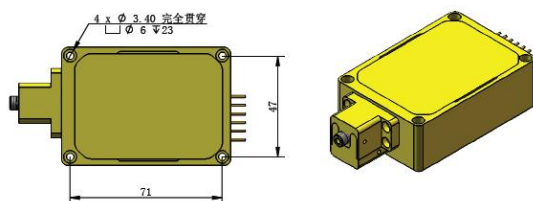
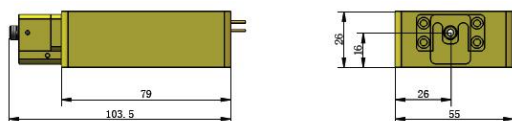


SPECIFICATIONS

Wavelength (nm)	638±5
Operating mode	CW
Output power (W) @ after 400um fiber	1~8
Fiber Core Diameter (um)	100, 200, 400, 600
Fiber Connector	SMA905/ FC
Numerical Aperture (NA)	0.22
Fiber length (m)	1 (Fiber length can be customized)
Power stability (rms, over 4 hours)	<1%
Cooled method	With TEC/ without TEC optional
Warm-up time (minutes)	<5
Operating temperature (°C)	25+/-3
Expected lifetime (hours)	10000
Warranty	1 year

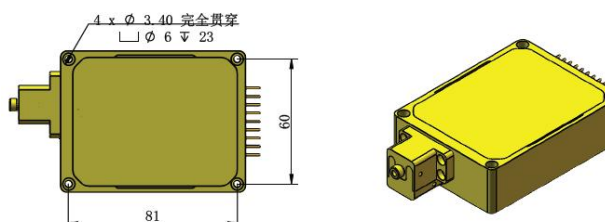
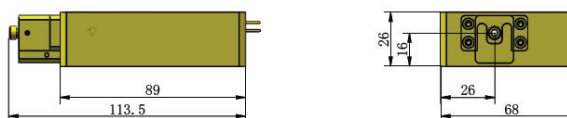


Dimensions of Laser head (Without TEC)



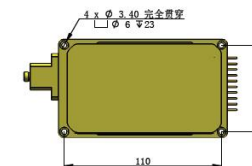
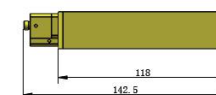
1-4W

103.6 (L)*55 (W)*26 (H) mm³



5-6W

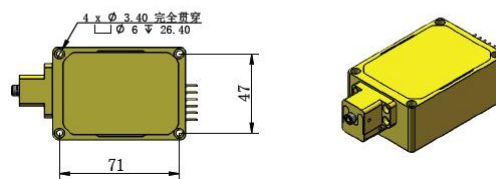
113.5 (L)*68 (W)*26 (H) mm³



7-8W

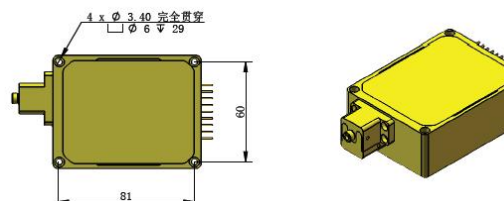
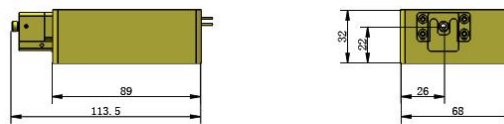
142.5 (L)*68 (W)*26 (H) mm³

Dimensions of Laser head (With TEC)



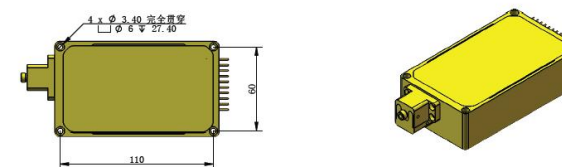
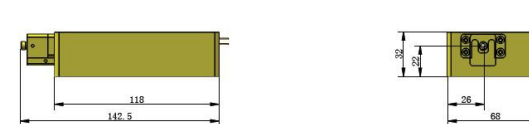
1-4W

103.6 (L)*55 (W)*32 (H) mm³



5-6W

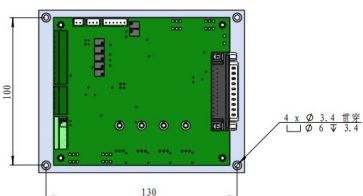
113.5 (L)*68 (W)*32 (H) mm³



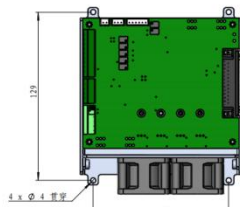
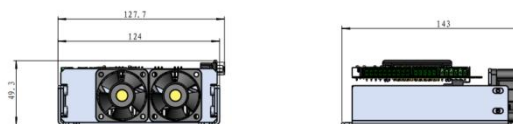
7-8W

142.5 (L)*68 (W)*32 (H) mm³

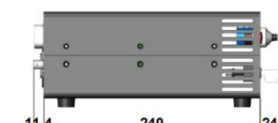
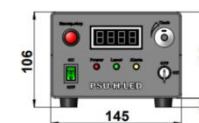
Driver (Optional)



140 (L)*110 (W)*24 (H) mm³

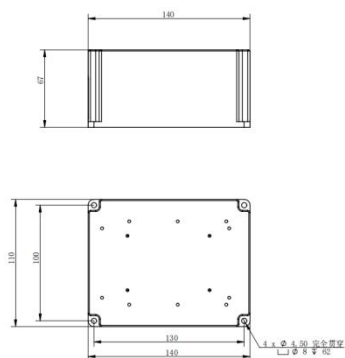


143 (L)*127.7 (W)*49.3 (H) mm³

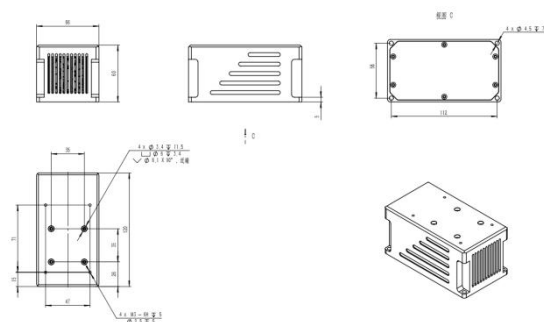


276.2 (L)*145 (W)*106 (H) mm³

A heat dissipation

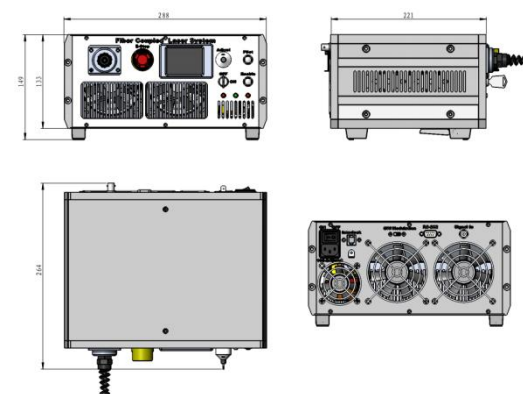


140 (L)*110 (W)*67 (H) mm³



120 (L)*66 (W)*60 (H) mm³

FC-W



264 (L)*288 (W)*149 (H) mm³