



RGB-GD-635/520/455 5/6/8/10W

COLOR DIODE LASER

Green diode laser at 635/ 520/ 455nm is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.



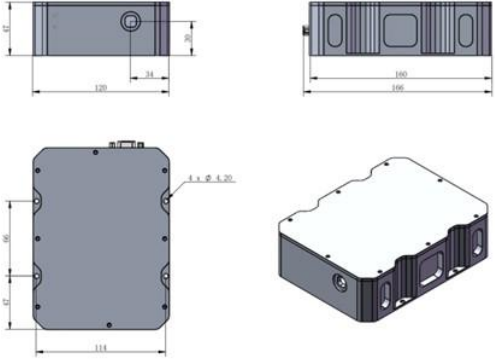
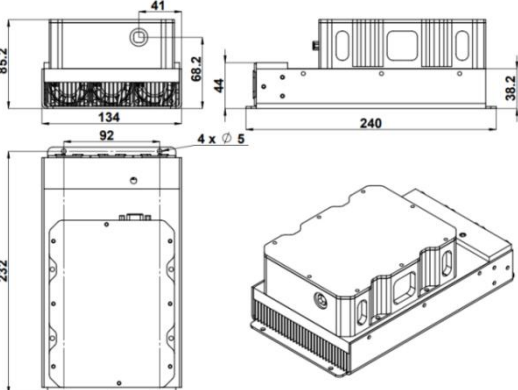
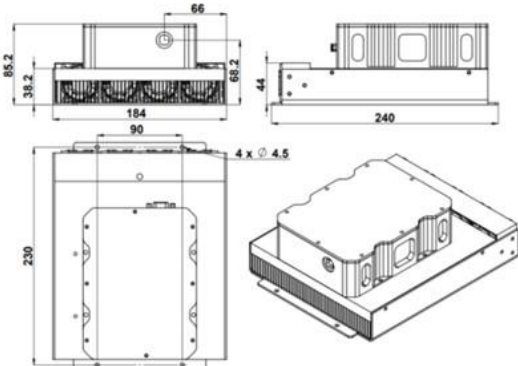
SPECIFICATIONS

Wavelength (nm)	635±5/ 520±5/ 455±5			
Output power (W)	5	6	8	10
Ratio power (W)	1.3/ 1.7 /2.0	2.3 /1.7/ 2	2/ 2/ 4	3.3/ 2.5-2.7/ 4
Beam diameter at the aperture (mm)	4.5*5.5	4.5*5.5	4.5*5.5	5.5*5.5
Operating mode	CW			
Beam divergence, full angle (mrad)	~1.6			
Power stability (rms, over 4 hours)	<1%, <3% ...			
Warm-up time (minutes)	<5			
Beam height from base plate (mm)	30 (RGB-GD-OEM)/ 68.2 (RGB-GD-HS)			
Operating temperature (°C)	25+/-3 (RGB-GD-OEM)/ 15-35 (RGB-GD-HS)			
Driver (12V 15A+13V 20A)	PSU-OEM-PN7T			
Modulation option	TTL/ Analog 1Hz-30KHz, TTL on/ off			
Expected lifetime (hours)	10000			



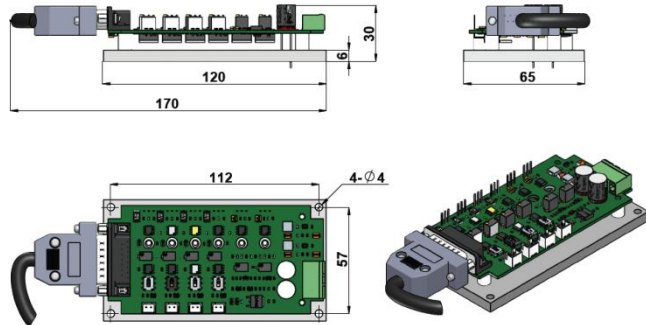
NOTE: The laser needs to be used on a heat sink with good heat dissipation.

Dimensions of Laser head

No heat dissipation	A heat dissipation	
 <p>RGB-GD-OEM 166 (L)*120 (W)*47 (H) mm³</p>	 <p>RGB-GD-HS 240 (L)*134 (W)*85.2 (H) mm³</p>	 <p>RGB-GD-HS 240 (L)*184 (W)*85.2 (H) mm³</p>

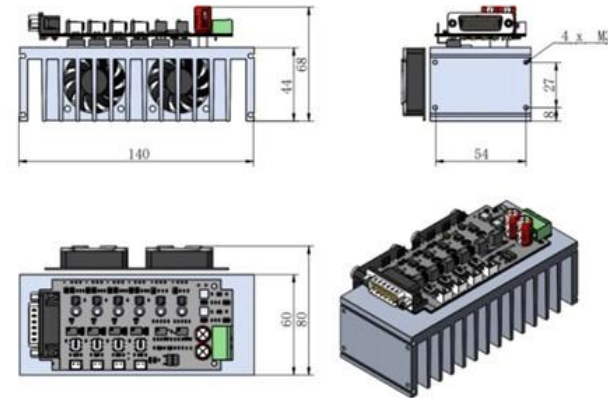
PSU-OEM-PN7T

No heat dissipation



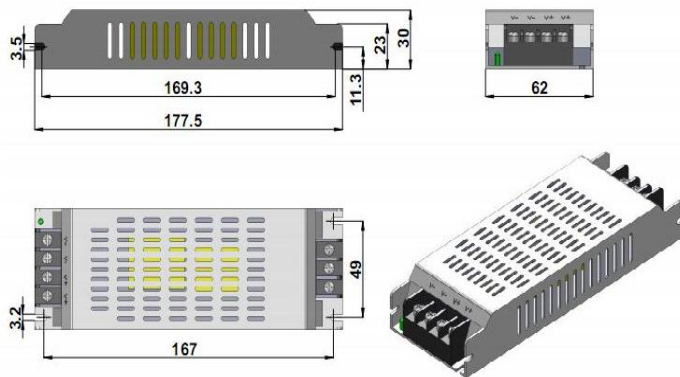
170 (L)*65 (W)*30 (H) mm³

A heat dissipation

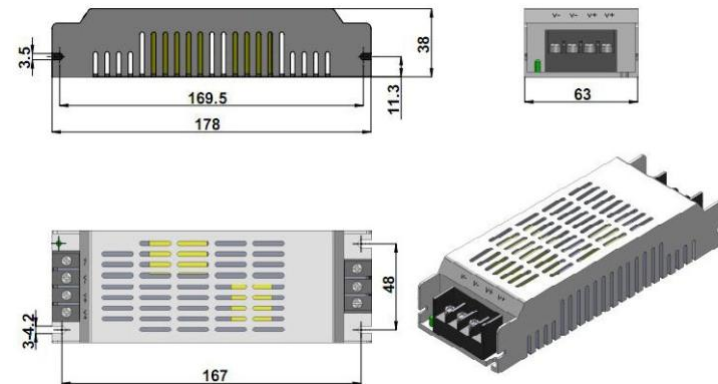


140 (L)*80 (W)*68 (H) mm³

Accessory (Power supply 100-240VAC)



12V15A (5W/ 6W/ 8W)
177.5 (L)*62 (W)*30 (H) mm³



13V20A (10W)
178 (L)*63 (W)*38 (H) mm³