



RGB-ND-635/ 520/ 455 80W

### COLOR DIODE LASER

Color 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.



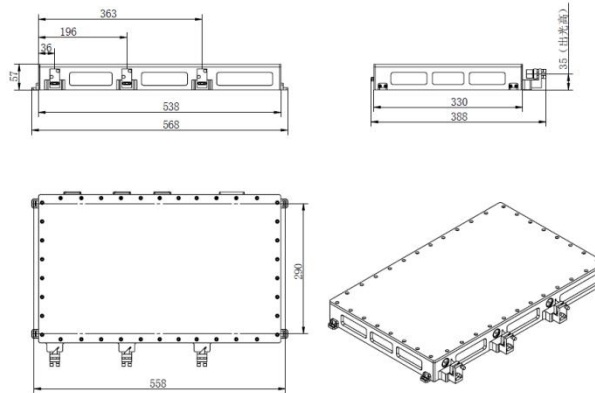
#### SPECIFICATIONS

Wavelength (nm)	635±5/ 520±5/ 455±5
Output power (W)	80
Ratio power (W)	20/ 22/ 40
Beam diameter at the aperture (mm)	8*10
Beam divergence, full angle (mrad)	~1.2
Power stability (rms, over 4 hours)	<1%
Warm-up time (minutes)	<5
Beam height from base plate (mm)	35
Operating temperature (°C)	25+/-3
Driver (12V 29A+24V 14.6A)	PSU-OEM-PNST
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

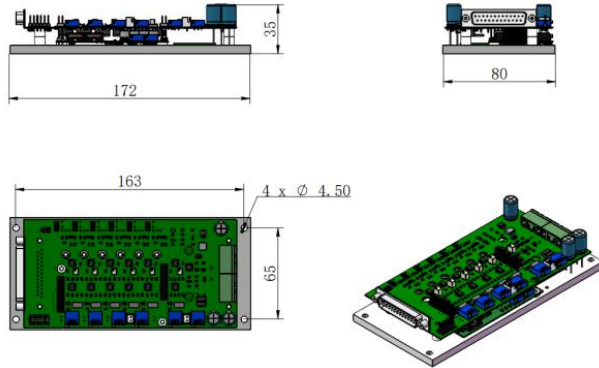


RGB-ND

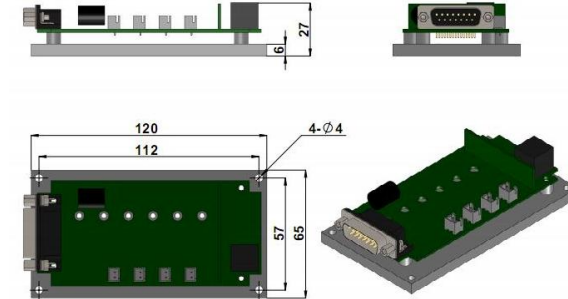
568 (L)\*388 (W)\*57 (H) mm<sup>3</sup>

PSU-OEM-PNST

No heat dissipation

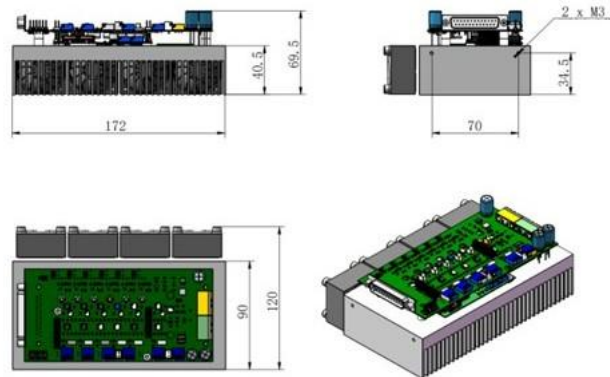


(2 pcs for 520nm and 1 pcs for 455nm)  
172 (L)\*80 (W)\*35 (H) mm<sup>3</sup>

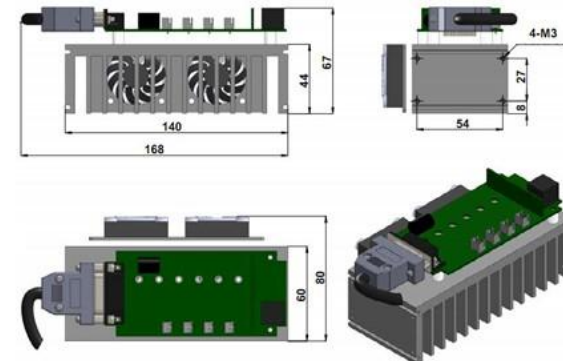


(2 pcs for 635nm)  
120 (L)\*65 (W)\*27 (H) mm<sup>3</sup>

A heat dissipation

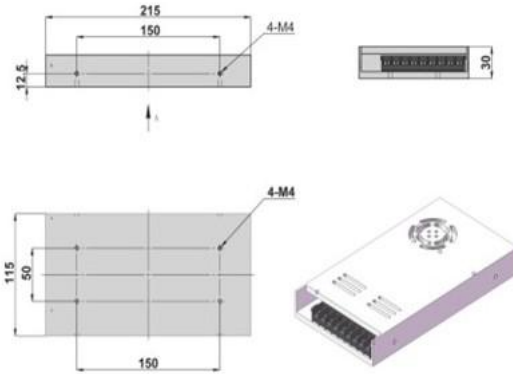


(2 pcs for 520nm and 1 pcs for 455nm)  
172 (L)\*120 (W)\*69.5 (H) mm<sup>3</sup>

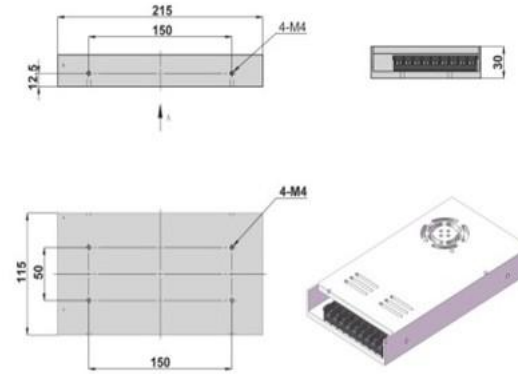


(2 pcs for 635nm)  
168 (L)\*80 (W)\*67 (H) mm<sup>3</sup>

Accessory (Power supply 100-240VAC) (Optional)



12V29A (1 pcs for 635nm)  
215 (L)\*115 (W)\*30 (H) mm<sup>3</sup>



24V14.6A (3 pcs for 520nm and 2 pcs for 455nm)  
215 (L)\*115 (W)\*30 (H) mm<sup>3</sup>