

RGB-BD-635/520/455 15-20W

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.



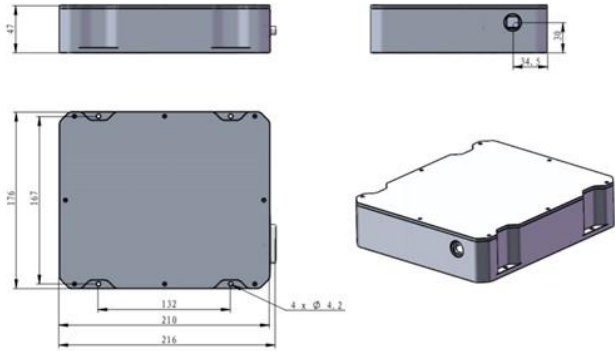
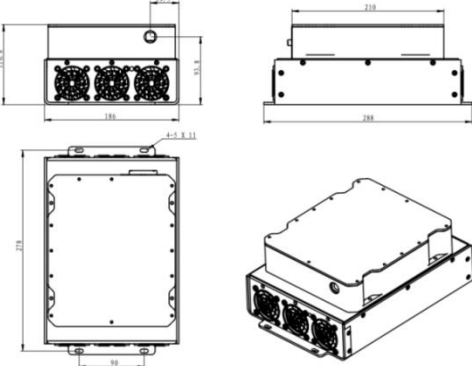
SPECIFICATIONS

Wavelength (nm)	635±5/ 520±5/ 455±5	
Output power (W)	15	20
Ratio power (W)	4/ 5/ 6	6/ 6/ 8
Beam diameter at the aperture (mm)	6*7.5	
Operating mode	CW	
Beam divergence, full angle (mrad)	~1.2	
Power stability (rms, over 4 hours)	<1%, <3% ...	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	30 (RGB-BD-OEM)/ 93.8 (RGB-BD-HS)	
Operating temperature (°C)	25+/-3 (RGB-BD-OEM)/ 15-35 (RGB-BD-HS)	
Driver (18V 23.2A)	PSU-OEM-PNST	
Modulation option	TTL/ Analog 1Hz-30KHz, TTL on/ off	
Expected lifetime (hours)	10000	



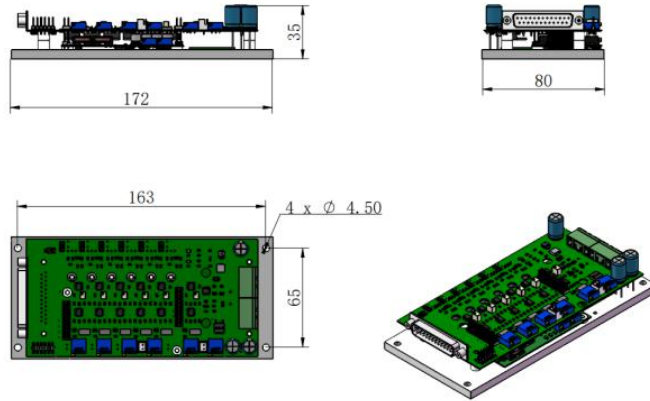
NOTE: The laser needs to be used on a heat sink with good heat dissipation.

Dimensions of Laser head

No heat dissipation	A heat dissipation
 <p>RGB-BD 216 (L)*176 (W)*47 (H) mm³</p>	 <p>RGB-BD-HS 288 (L)*186 (W)*110.8 (H) mm³</p>

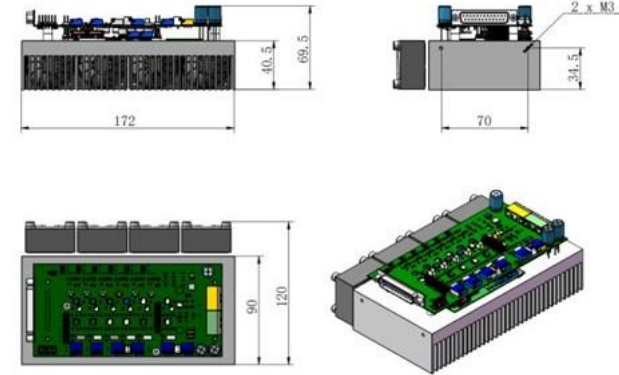
PSU-OEM-PNST

No heat dissipation



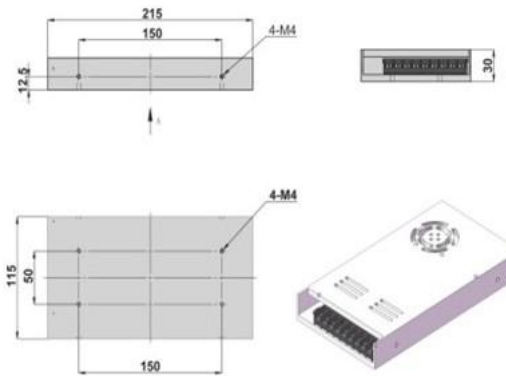
172 (L)*80 (W)*35 (H) mm³

A heat dissipation



172 (L)*120 (W)*69.5 (H) mm³

Accessory (Power supply 100-240VAC)



18V23.2A

215 (L)*115 (W)*30 (H) mm³