

OEM-BD-455/ 40W

BLUE DIODE LASER AT 455nm

The 455nm diode laser features an ultra-compact design, a long lifetime, and easy operation. It is also easy to install in customers' equipment.

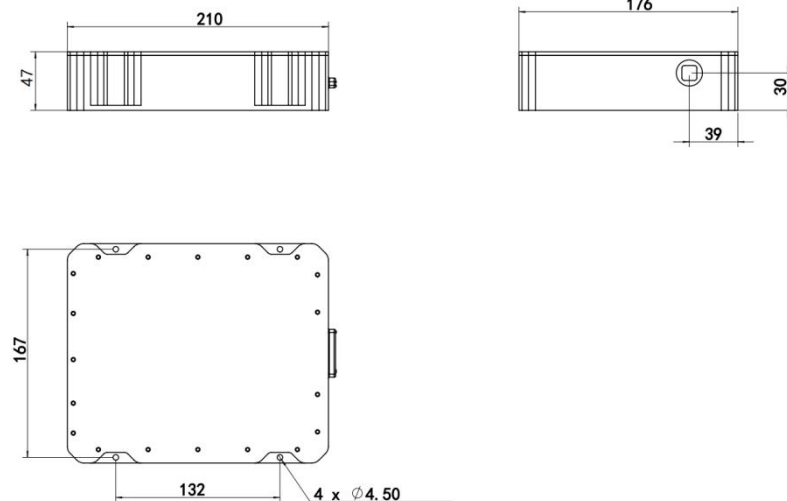


SPECIFICATIONS

Wavelength (nm)	455±5	
Output power (W)	40	
Operating mode	CW	
Beam diameter at the aperture (mm)	8.5*7	
Beam divergence, full angle (mrad)	~1.2	
Power stability (rms, 4 hours±3℃)	<2%, <1%	
Cooled method	Air cooled	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	30 (OEM-BD-455)	99 (BD-455-HS)
Operating temperature (℃)	0-30	
Power supply (24VDC)	PSU-PNST-OEM (24V/ 14.6A)	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL/ Analog optional	
Expected lifetime (hours)	>10000	

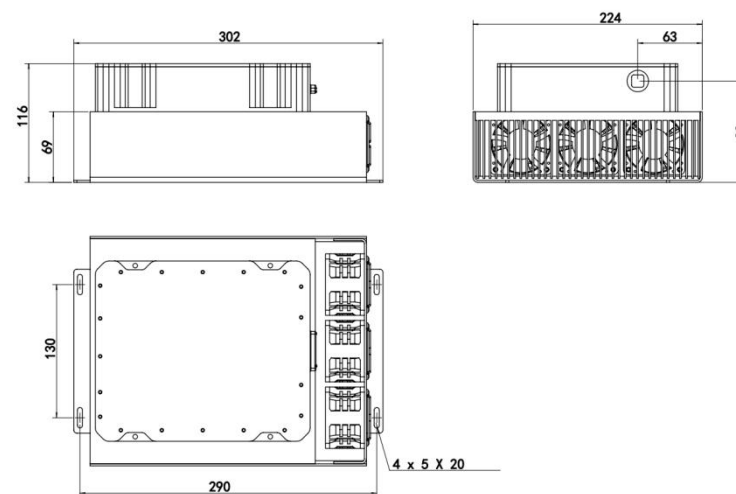


LASER HEAD (OEM-BD-455)¹



210 (L)*176 (W)*47 (H) mm³, 3.9kg

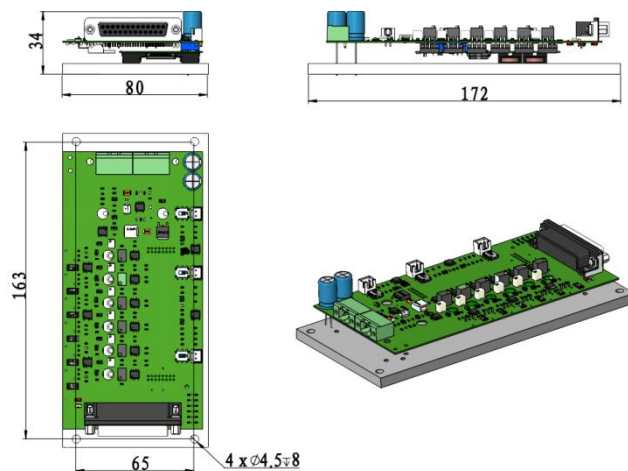
LASER HEAD (BD-455-HS)



302 (L)*224 (W)*116 (H) mm³, 8.0kg

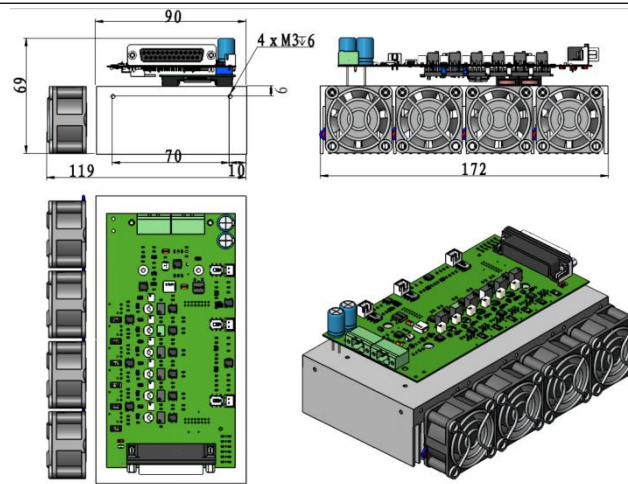
DRIVER (PSU-PNST-OEM)

NO HEATSINK



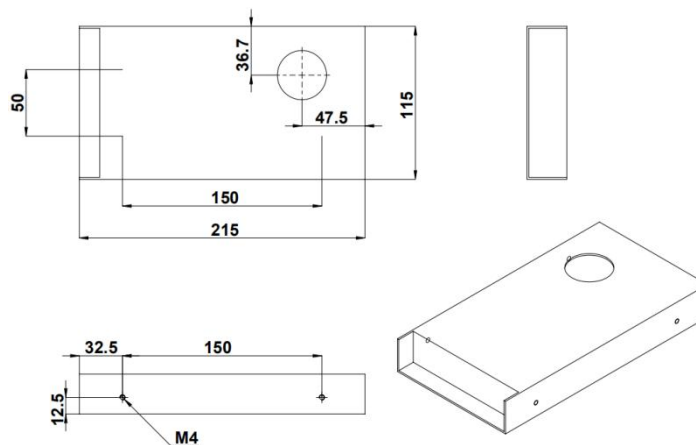
172 (L)*80 (W)*34 (H) mm³, 0.4kg

A HEATSINK



172 (L)*119 (W)*69 (H) mm³, 1.1kg

POWER SUPPLY (100/ 240VAC) optional



(2 PCS)

215 (L)*115 (W)*30 (H) mm³, 1.8kg

1 The laser head needs to be used on a heat sink with 460W heat dissipation