Nano-Giga

Your source for high quality, affordable lasers

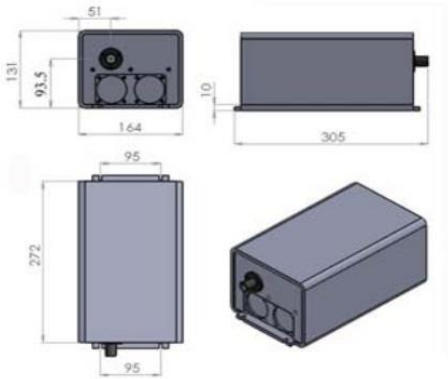
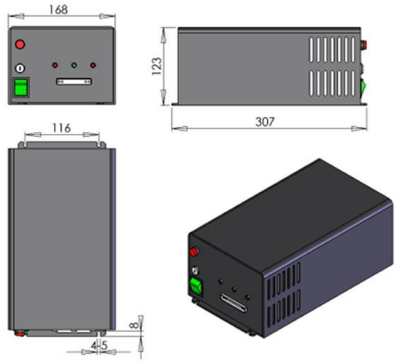
DATA SHEET

HIGH POWER BLUE DIODE LASER AT 447nm

Diode laser module at 447nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.

Model: MDL-W-447/8W~20W

Wavelength (nm)	447 ±5		
Output Power (W)	>8	>10, 12	>20
Operating Mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
Beam divergence, full angle (mrad)	<2.0×0. 5		
Dimensions of beam at the aperture (mm)	6×5	11×5	11×10
Beam height from base plate (mm)	93.5		
Operating temperature (℃)	10~35		
Power supply (90-264VAC)	PSU-W-FDA		
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off		
Expected lifetime (hours)	10,000		
Warranty period	1 year		

MDL-W-447	Dimensions	PSU-W-FDA	Dimensions
			
305(L) ×164(W) ×131(H) mm^3, 8.4kg		**307 (L) ×168(W) ×123 (H) mm^3, 5.1kg**	

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