

MDL-XD-445/447/450-OEM/8-20W



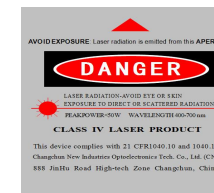
OEM BLUE DIODE LASER  
AT 445/447/450nm

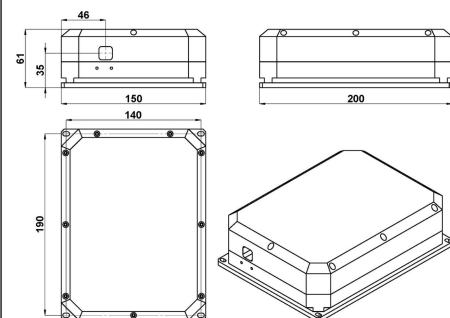
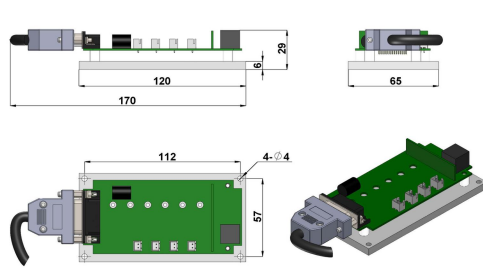
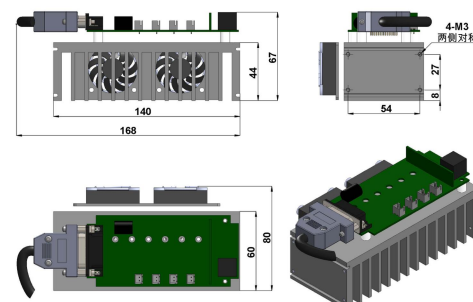
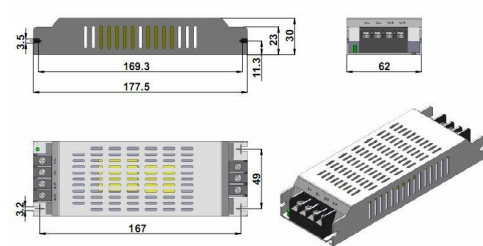
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Central wavelength (nm)	445±5/ 447±5/ 450±5	
Operating mode	CW	
Output power (mW)	>8000 ,9000, ..., 16000	>16000 ,18000, ..., 20000
Power stability (rms, over 4 hours) at 25°C	<1%, <2%, <3%	
Polarization direction	Horizontal+Vertical	
Beam diameter at the aperture (mm)	~5×5	~7.5×5
Beam divergence, full angle (mrad)	<2.4×2.0	<2×4
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	35	
Operating temperature (°C)	25+/-3	
Driver (12VDC 15A)	PSU-PN7-OEM/ PSU-PN7-OEM-H	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-XD-445/447/450-OEM	PSU-PN7-OEM	PSU-PN7-OEM-H	Accessory (Power supply 100-240VAC)
 <p>200(L)×150(W)×61(H) mm<sup>3</sup>, 4.5kg</p>	 <p>120(L)×65(W)×29(H) mm<sup>3</sup>, 0.3kg</p>	 <p>140(L)×80(W)×67(H) mm<sup>3</sup>, 0.6kg</p>	 <p>177.5(L)×62(W)×30(H) mm<sup>3</sup>, 0.5kg</p>