

F-445/447/450-HS-OEM-/1-3500mW



**OEM BLUE DIODE LASER  
AT 445/447/450nm**

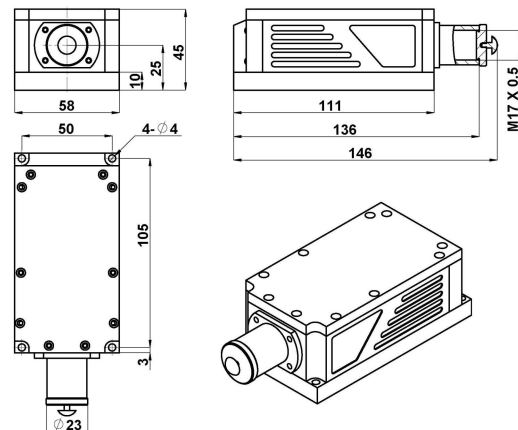
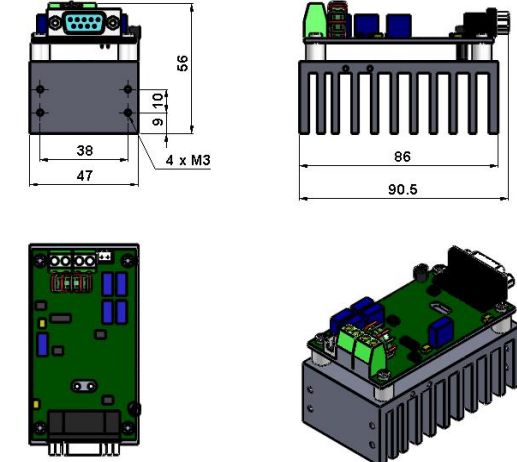
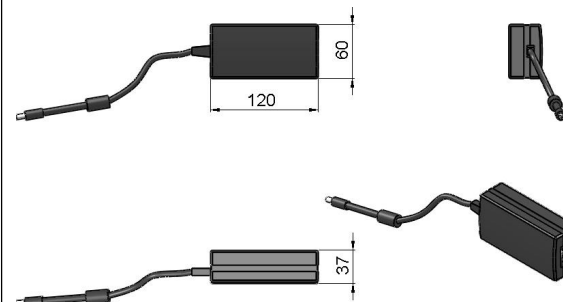
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Central wavelength (nm)	445±5/ 447±5/ 450±5	
Operating mode	CW	
Output power (mW)	>1, 100, 1000, ...,2000	>2000, 2500, ...,3500
Power stability (rms, over 4 hours) at 25 °C	<1%, <2%, <3%	
Transverse mode	Multimode	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.7×2.7	~3.5×3.5
Beam divergence, full angle (mrad)	1.4×0.2	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	25	
Operating temperature (°C)	25+/-3	
Driver (8VDC 7A)	PSU-SD-OEM	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



F-445/447/450-HS-OEM	PSU-SD-OEM	Accessory (Power supply 100-240VAC)
 <p>146 (L) × 58(W) × 45 (H) mm<sup>3</sup>, 0.7kg</p>	 <p>90.5 (L) × 47(W) × 56(H) mm<sup>3</sup>, 0.3kg</p>	 <p>120 (L) × 60(W) × 37(H) mm<sup>3</sup>, 0.3kg</p>