

OEM-SD-447/3000-4000mW

OEM BLUE DIODE LASER AT 447NM

All solid state 447 nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating. It's easy to be installed in customer's equipment.









SPECIFICATIONS

Model	OEM-SD-447			
Wavelength (nm)	447±5			
Output power (mW)	>3000, >4000			
Operating mode	CW			
Power stability (rms, over 4 hours) at 25°C	<1%, <3%, <5%			
Warm-up time (minutes)	<5			
Beam divergence, half angle (mrad)	0.7×0.1 (V/H)			
Polarization direction	Horizontal/ Vertical		Horizontal+ Vertical	
Beam diameter at the aperture (mm)	~4.7×2.7 (1/e ²)	~3.7×1.7(FWHM)	~2.7×2.7 (1/e ²)	~1.7×1.7(FWHM)
Beam height from base plate (mm)	28.5(without heat sink)		68.2(with heat sink)	
Operating temperature (°C)	25+/-3(without heat sink)		10-35 (with heat sink)	
Expected lifetime (hours)	10000			
Power supply(90-264VAC or 12VDC&7A)	PSU-H-LED/PSU-H-FDA/PSU-D-OEM			
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off			
Warranty time	The warranty is 3 months, excluding the LD failure.			



Note: The power supply needs to be with the over current protection function.

OEM-SD-447	SD-447-HS	PSU-H-LED	PSU-H-FDA	PSU-D-OEM	Adapter
 <p>107(L)×77(W)×46(H) mm³, 0.5kg Without heat sink</p>	 <p>134(L)×99(W)×85.7(H) mm³, 1.5kg With heat sink</p>	 <p>268(L)×145(W)×106(H) mm³, 2.6 kg</p>	 <p>238 (L)×146(W)×102 (H) mm³, 2.3 kg</p>	 <p>140(L)×90(W)×60(H) mm³, 0.40 kg</p>	 <p>132(L)×54(W)×31.2(H) mm³ 100-240VAC Adapter</p>
