

OEM-D-447/5000-8000mW

SPECIFICATIONS







OEM BLUE DIODE LASER AT 447NM

OEM diode laser 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.

Model	OEM-D-447	
Wavelength (nm)	447±5	
Output power (mW)	>5000, >6000, >7000, >8000	
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	
Beam diameter at the aperture (mm)	~3.2×3.2 (1/e ²)/ ~2.2×2.2 (FWHM)	
Polarization direction	Horizontal+ Vertical	
Beam height from base plate (mm)	34.5(without heat sink)	68.2(with heat sink)
Operating temperature (°C)	25+/-3 (without heat sink)	10-35 (with heat sink)
Power supply(90-264VAC or 6V,10V&8A)	PSU-H-LED/PSU-H-FDA/PSU-OEM	
Expected lifetime (hours)	10000	
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-D-447	D-447-HS	PSU-H-LED	PSU-H-FDA	PSU-OEM(5-6W)	PSU-OEM(7-8W)
 <p>141(L)×107(W)×53(H) mm³, 0.8kg Without heat sink</p>	 <p>171(L)×126(W)×86.7(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>86(L)×94(W)×52(H) mm³, 0.20 kg</p>	 <p>160(L)×86.2(W)×34.5(H) mm³ 100-240VAC Adapter</p>
