

OEM 447 nm Blue Laser Diode OEM-SD-447

Model #: OEM-SD-447

Description: OEM high power solid state blue violet laser at 447 nm OEM-SD-447 features ultra compact, long lifetime, low cost and easy operating.

Application: It is easy to be integrated into end user's equipment. Scientific research, laser pointing, show and RGB mixed laser systems applications, etc.





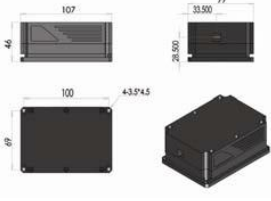
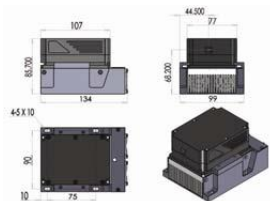
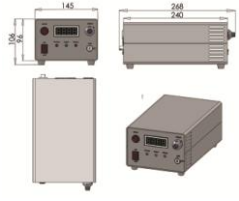
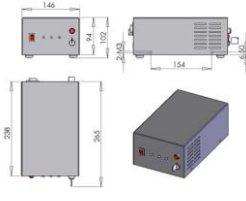


Specifications

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)			
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)
Polarization direction	Horizontal or Vertical		Horizontal + Vertical	
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)	
Power supply(90-264VAC or 6V,10V&8A)	PSU-H-LED/PSU-H-FDA/PSU-D-OEM			
Expected lifetime (hours)	10000			
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off			
Warranty time	Warranty is 3 months, excluding LD failure.			

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

Ordering Information: OEM-SD-447-A-B-C-D

A: maximum output	B: power stability	C: power driver	D: Modulation Option
3000 - 3000 mW	1 - 1%	1 - PSU-H-FDA	1 - TTL on/off button
4000 - 4000 mW	3 - 3%	2 - PSU-H-LED	2 - 1Hz - 5k Hz
X - other	5 - 5%	3 - PSU-D-OEM	3 - 1Hz - 10 kHz
			4 - 1Hz - 30 kHz

OEM-D-447	D-447-HS	PSU-H-LED	PSU-H-FDA
 <p>107(L)×77(W)×46(H) mm³, 0.8kg Without heat sink</p>	 <p>134(L)×99(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>
			
PSU-D-OEM			
 <p>140(L)×90(W)×60(H) mm³, 0.20 kg</p>	 <p>132(L)×54(W)×31.2(H) mm³ 100-240VAC Adapter</p>		
