

### OEM-SD-637 /200-500mW

## RED DIODE LASER At 637nm

OEM diode laser 637nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



### SPECIFICATIONS

Wavelength (nm)	637 ± 5			
Output power (mW)	>200.....350	>350.....500		
Operating mode	CW			
Power stability (rms, over 4 hours)	<1%, <3%, <5%			
Warm-up time (minutes)	<5			
Beam divergence, half angle (mrad)	<0.5			
Beam diameter at the aperture (mm)	2.8×2.3 (1/e <sup>2</sup> )	2.5×1.2 (FWHM)	3.5×1.8 (1/e <sup>2</sup> )	3.0×1.0 (FWHM)
Polarization direction	Horizontal+Vertical		Horizontal/Vertical	
Beam height from base plate (mm)	28.5(OEM-SD-637) / 68.2(SD-637-HS)			
Operating temperature (°C)	25+/-3 (OEM-SD-637) / 10~35 (SD-637-HS)			
Power supply	PSU-III-LED/ PSU-III-FDA/PSU-III-OEM			
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off			
Expected lifetime (hours)	10000			
Warranty	1 year			



OEM-SD-637	SD-637-HS	PSU-III-LED	PSU-III-FDA	PSU-III-OEM	Adapter
					
<b>107(L)×77(W) ×49(H) mm<sup>3</sup>, 0.8kg</b>	<b>134(L)×99(W) ×88.7(H) mm<sup>3</sup>, 1.6kg</b>	<b>188 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</b>	<b>171 (L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</b>	<b>100 (L) ×62(W) ×56 (H) mm<sup>3</sup>, 0.2kg</b>	<b>132(L)×54(W) ×31.2(H) mm<sup>3</sup></b>
					