



MDL-SD-637/640/642/300-500mW



**RED DIODE LASER  
AT 637/640/642nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	637±5/ 640±5/ 642±5	
Operating mode	CW	
Output power (mW)	>300, 350, ..., 500	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Polarization direction	Horizontal/ Vertical	Horizontal+ Vertical
Beam diameter at the aperture (mm)	~3.5×1.8	~2.8×2.3
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	68.5	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-SD-637/640/642	PSU-III-LED	PSU-III-FDA
<p>131.2(L)×99(W) ×91(H) mm<sup>3</sup>, 1.6kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</p>