

**MDL-SD-637/640/642/200-300mW**



**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)	>200, 210, ..., 300	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Polarization direction	Horizontal/ Vertical	Horizontal+ Vertical
Beam diameter at the aperture (mm)	~2.8×2.3	~1.4×2.3
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 style="text-align: center;"><b>131.2(L)×99(W) ×91(H) mm<sup>3</sup>, 1.6kg</b></p>	<p style="text-align: center;"><b>188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</b></p>	<p style="text-align: center;"><b>171(L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</b></p>