## Specification Sheet

### OEM RED DIODE LASER AT 637/640/642nm

OEM red diode laser at 637/640/642nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>637±5/ 640±5/ 642±5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength (nm)</td>
<td></td>
</tr>
<tr>
<td>Operating mode</td>
<td>CW</td>
</tr>
<tr>
<td>Output power (mW)</td>
<td>&gt;600, 700, ..., 1300</td>
</tr>
<tr>
<td>Power stability (rms, over 4 hours)</td>
<td>&lt;1%, &lt;3%, &lt;5%</td>
</tr>
<tr>
<td>Polarization direction</td>
<td>Horizontal/ Vertical</td>
</tr>
<tr>
<td>Beam diameter at the aperture (1/e²,mm)</td>
<td>5.1±4.1</td>
</tr>
<tr>
<td>Beam divergence, full angle (mrad)</td>
<td>&lt;1.0</td>
</tr>
<tr>
<td>Warm-up time (minutes)</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Beam height from base plate (mm)</td>
<td>28.5</td>
</tr>
<tr>
<td>Operating temperature (°C)</td>
<td>25±3</td>
</tr>
<tr>
<td>Driver (12VDC 15A)</td>
<td>PSU-6R-OEM/ PSU-6R-OEM-H</td>
</tr>
<tr>
<td>TTL/ Analog modulation</td>
<td>TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional</td>
</tr>
<tr>
<td>Expected lifetime (hours)</td>
<td>10000</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>OEM-MD-637/640/642</th>
<th>PSU-6R-OEM</th>
<th>PSU-6R-OEM-H</th>
<th>Accessory (Power supply 100-240VAC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Dimensions" /></td>
<td><img src="image2.png" alt="Dimensions" /></td>
<td><img src="image3.png" alt="Dimensions" /></td>
<td><img src="image4.png" alt="Dimensions" /></td>
</tr>
</tbody>
</table>

- 116(L)x75(W) x54(H) mm³, 1.2kg
- 110(L)x62(W) x31(H) mm³, 0.2kg
- 108(L)x83(W) x66(H) mm³, 0.5kg
- 177.5(L)x62(W) x30(H) mm³, 0.5kg