Spot Diagrams for Laser Quality Molded Glass Aspheric Lens 352280

*Note: Black circle on plots indicates Airy Disk.*

**At Design Wavelength 780 nm**
RMS Radius = 0.003 µm

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Spot Diagrams for A-Coated Lens (352280-A)

**633 nm**
RMS Radius = 0.04 µm

**670 nm**
RMS Radius = 0.04 µm
Spot Diagrams for B-Coated Lens (352280-B)

830 nm
RMS Radius = 0.01 µm

980 nm
RMS Radius = 0.03 µm

Spot Diagrams for C-Coated Lens (352280-C)

1064 nm
RMS Radius = 0.04 µm

1550 nm
RMS Radius = 0.07 µm
**Specifications subject to change without notice.**

**Chromatic Focal Shift**

*Maximum Focal Shift Range: 1576.29 µm (350 – 1620 nm)*  
*Diffraction Limited Range: 34.85 µm*

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**Table showing the focal length at various laser line wavelengths**

<table>
<thead>
<tr>
<th>Wavelength (nm)</th>
<th>Focal Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>405</td>
<td>17.556</td>
</tr>
<tr>
<td>633</td>
<td>18.234</td>
</tr>
<tr>
<td>670</td>
<td>18.285</td>
</tr>
<tr>
<td>780</td>
<td><strong>18.400</strong></td>
</tr>
<tr>
<td>810</td>
<td>18.425</td>
</tr>
<tr>
<td>830</td>
<td>18.440</td>
</tr>
<tr>
<td>980</td>
<td>18.533</td>
</tr>
<tr>
<td>1064</td>
<td>18.574</td>
</tr>
<tr>
<td>1550</td>
<td>18.755</td>
</tr>
</tbody>
</table>

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*Design Wavelength = 780 nm*  
*Effective Focal Length = 18.40 mm*