

# 5.55mm Diameter, Sapphire Ball Lens



Sapphire and Ruby Ball Lenses

Stock #43-827 3-4 DAYS

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**Diameter (mm):**  
5.55

**Substrate:** ☐  
Sapphire (Al<sub>2</sub>O<sub>3</sub>)

**Coating:**  
Uncoated

|                                                                          |
|--------------------------------------------------------------------------|
| <b>Type:</b><br>Ball Lens                                                |
| <b>Wavelength Range (nm):</b><br>200 - 5500                              |
| <b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b><br>8.4 |
| <b>Index of Refraction n<sub>d</sub>:</b><br>1.77                        |
| <b>Melting Temperature (°C):</b><br>2053.00                              |
| <b>Porosity (%):</b><br>0.00                                             |
| <b>Specific Gravity (g/cm³):</b><br>3.98                                 |
| <b>Sphericity (µm):</b><br>0.625                                         |
| <b>Wavelength Range (µm):</b><br>0.2 - 5.5                               |
| <b>Compressive Strength (psi):</b><br>300,000                            |
| <b>Diameter Tolerance (µm):</b><br>±2.54                                 |

### Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 240:</b><br><a href="#">Compliant</a>             |