



Your reliable supplier & strategic partner **in optics**

Products & Ser..

Your Are Here: [Products & Services](#)> [Precision optical compoments](#)> [IR Lens](#)> [Sapphire](#)

- [Spherical Lens](#)
- [Achromatic Lens](#)
- [Ball Lens](#)
- [IR Lens](#)
- [Aspheric Lens](#)
- [Prism](#)
- [Mirror](#)
- [Optical Filter](#)
- [Window](#)
- [Cylindrical Lens](#)
- [Lens Assembly](#)
- [Rod Lens](#)
- [Test Plates](#)

Sapphire

- | | |
|---|--|
| <ul style="list-style-type: none"> Silicon Calcium Fluoride Zinc Sulfide | <ul style="list-style-type: none"> Germanium Sapphire Zinc Selenide |
|---|--|

Sapphire (Al₂O₃)
 Sapphire lenses are suitable for high power, high-pressure applications, and vacuum or corrosive atmospheres. Sapphire is a single crystal form of alumina, Al₂O₃. The material is extremely hard and resistant to attack by strong acids. It has high compressive strength, a high melting point, and excellent thermal conductivity. Transmission range is from 150 nm to 5 μm. Synthetic sapphire is an anisotropic crystalline material with many unique optical and physical properties which make it a material of choice for many optical applications:

Specifications:
 Material:Sapphire
 Diameter Tolerance: +0.00, -0.15mm(Standard), +0.00,-0.02mm(Precision)
 Flatness: lambda@632.8nm
 Surface Quality: 60-40 S/D
 Paraxial Focus Length: +/-2%
 Centration: <5arc minutes
 Clear Aperture: >85% of diameter
 Bevel: 0.25x45deg



[back](#)

About Us

- [About Us](#)
- [Contact](#)

Products & Servers

- [Standard products](#)
- [Precision optical compoments](#)
- [Coatings](#)

News

TOP

[Home](#)