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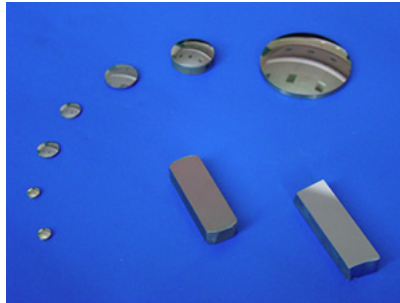
Products & Ser..

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- Spherical Lens
- Achromatic Lens
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- IR Lens
- Aspheric Lens
- Prism
- Mirror
- Optical Filter
- Window
- Cylindrical Lens
- Lens Assembly
- Rod Lens
- Test Plates

Silicon

- | | |
|------------------|---------------|
| Silicon | Germanium |
| Calcium Fluoride | Sapphire |
| Zinc Sulfide | Zinc Selenide |



Silicon (Si) is grown by Czochralski (CZ) pulling techniques. CZ Silicon is commonly used as substrate material for infrared reflectors and windows in the 1.5 - 8 micron region. The strong absorption band at 9 microns makes it unsuitable for CO2 laser transmission applications, but it is frequently used for laser mirrors because of its high thermal conductivity and low density. Applications: window, lens in the 1.5 - 8 μm region and mirrors for CO2 laser and spectrometer applications

Si Lens
 Specifications:
 Material: Silicon
 Diameter Tolerance: +0.00, -0.15mm(Standard), +0.00,-0.02mm(Precision)
 Flatness: $\lambda @ 632.8\text{nm}$
 Surface Quality: 60-40 S/D
 Paraxial Focus Length: +/-2%
 Centration: < 10arc minutes
 Clear Aperture: >85% of diameter
 Bevel: 0.25x45deg

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