



Silicon Optics for THz beam guiding

- **Highly transmissive silicon optics for THz applications**
 - ▶ **Material:** Undoped HRFZ-silicon
 - ▶ **Resistance:** > 10 kΩ*cm
 - ▶ **Refractive index:** 3.41
- **Listed optics are available from stock**
- **Anti-Reflex coating on request**
- **Other dimensions on request**

Silicon Lenses



| Lens | Form | Diameter | Thickness | Generated THz beam |
|-------------|------------------|----------|-----------|--------------------|
| HSL-12 | Hyperhemispheric | 12 mm | 7.1 mm | Divergent |
| CSL-20 | Asphere | 20 mm | 13.8 mm | Collimated |
| FSL-D20-f50 | | 20 mm | 14.0 mm | Focused |

Designed for beam guiding of THz radiation in combination with a PCA chip.

Silicon Beam Splitter



| Beam Splitter | Diameter | Thickness |
|----------------|----------|-----------|
| BSS-D50.8-T3.5 | 50.8 mm | 3.5 mm |

Designed for single-pass applications. Design for multi-pass applications is available on request.