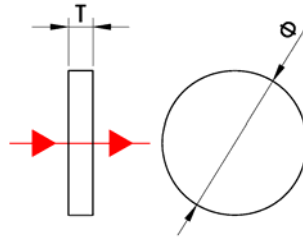


Silicon Window



Silicon is another material that is frequently utilized in infrared systems – however due to absorption it is not suitable for CO² transmitting optics. Silicon can be used from 1.2 to 7μm but only has about 50% transmission in this range. Because of this, we have added an AR coating to enhance the performance from 3~5μm. With a density of 2.329g/cm³, Si is ideal for use in systems where weight is a concern.

Specifications:

Material.....Si(Optical Grade)

Clear Aperture.....>90%

Dimensional Tolerance.....+0.0/-0.1mm

Thickness Tolerance.....±0.1mm

Surface Quality.....60-40

Surface Accuracy.....1λ@ 632.8nm

Parallelism.....<3'

Coating.....No Coating

P/N	Φ	T
10801	10.00	1.50
10802	12.70	2.00
10803	15.00	2.00
10804	20.00	3.00
10805	25.40	3.00

- Demension unit:mmm
- Other sizes and coatings are available upon request.