

Anti-Reflection ( AR) Coating Sapphire Concave Lens 40.0mm dia. x 8.0mm thk

sapphire-windows-sapphire-lens

sapphire lens

#### Specifications of Sapphire Concave Lens SL40-8PE

Code: SL40-8PE

Material: Optical grade single Sapphire crystal

Diameter: 40.0mm

Thickness: 8.0mm

Tolerance:  $\pm 0.1$ mm

Surface Quality S/D: 60/40

Focal Length Tolerance:  $\pm 5\%$  @ 633nm

Centration: 3'

Clear Aperture:  $>85\%$

AR Coating:  $T > 90\%$  @ 690~1300nm

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Sapphire Lenses Features and Applications:

1. With excellent transmission bandwidths between the UV and IR at 0.15-5.5 $\mu$ m.
2. Extremely hard and resistant to attack by strong acid.
3. Highly resistant to scratching and abrasion (9 on the Mohs scale of mineral hardness scale).
4. Extremely high melting temperature (2030°C).
5. Suitable for the application of extreme conditions, such as high-pressure, vacuum and corrosive atmosphere.

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Custom Specifications of Sapphire Lenses:

Diameters: 2.0 mm to 200mm

Radius of Curvature : Concave, Convex, Meniscus

Surfaces Quality: 40/20, 20/10

Edges: Fine Ground

Tolerance: +/- 0.1mm

Centration: 3 Arc min

Clear Aperture : > 90%