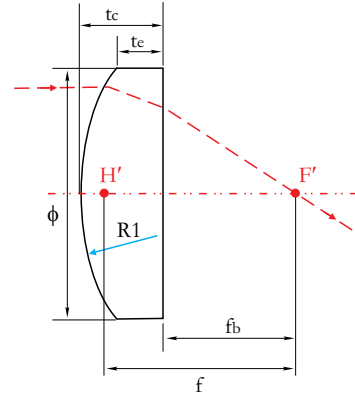


Plano-Convex Lens

Applications:

- Optical Display Systems
- Projection Optics Systems
- Imaging Optics Systems
- Laser Measurement Systems



Capability

| Attribute | Commercial | High Precision |
|-----------------------------------|---|----------------------------|
| Typical Material | BK7, Fused Silica, Silicon | BK7, Fused Silica, Silicon |
| Typical Dimension ϕ (mm) | 10, 15, 20, 25.4 | 10, 15, 20, 25.4 |
| Diameter Tolerance (mm) | +0.00/-0.2 | +0.00/-0.05 |
| Focus Length Tolerance (mm) | Typical +/-2% @633nm | Typical +/-2% @633nm |
| Centration (arc min.) | Typical <3 | Typical <3 |
| Surface Figure (per 25mm@632.8nm) | 1/4 | $\lambda/10$ |
| Surface Quality (scratch/dig) | 60-40 | 10-5 |
| Bevel (face width x 45° mm) | 0.2~0.5 | 0.05~0.2 |
| Coating | Wavelength: customer specified, Reference to pages 65-75 Single wavelength AR: R≤0.25% per surface Broadband AR: R≤0.5% per surface | |

