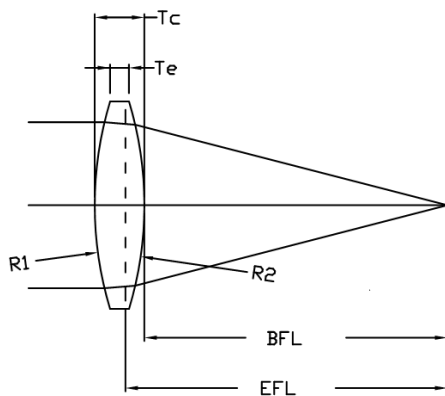


Double Convex (Φ 10mm)

Introduction

Double-convex lenses are adapted for conjugated optical applications. For example, for transmitting an object source to its conjugated image location, double convex lenses produce better images than other types of convex lenses. Egismos provides off-the-shelf double convex lenses with equal radii of curvature. Lenses with asymmetric radii can also be customized with high quality.

Definition Of Parameters



Definition Of Tolerance

| Basic Definition Of Tolerances | |
|--------------------------------|-----------------|
| Diameter(Φ) | +0/-0.1mm |
| Thickness | +0.1/-0.1mm |
| Radius Of Curvature | R \pm 1% |
| Clear Aperture | >85% |
| Tilt/Decenter | <3 mins/<0.05mm |
| Surface Quality | 60/40 |

Φ 10 Double Convex Lens

| Code | Diameter(Φ) | R1 | R2 | EFL | Tc | Te | Material |
|---------------|--------------------|-------|--------|-----|-----|-----|----------|
| O1-DX-10-8-G | 10 | 7.45 | -7.45 | 8 | 4.5 | 1 | K9 |
| O1-DX-10-10-G | 10 | 9.55 | -9.55 | 10 | 4 | 1.2 | K9 |
| O1-DX-10-12-G | 10 | 11.91 | -11.91 | 12 | 3 | 0.8 | K9 |
| O1-DX-10-18-G | 10 | 18.2 | -18.2 | 18 | 2.8 | 1.4 | K9 |
| O1-DX-10-25-G | 10 | 25.5 | -25.5 | 25 | 2.4 | 1.4 | K9 |

Specifications are subject to change without notice.

