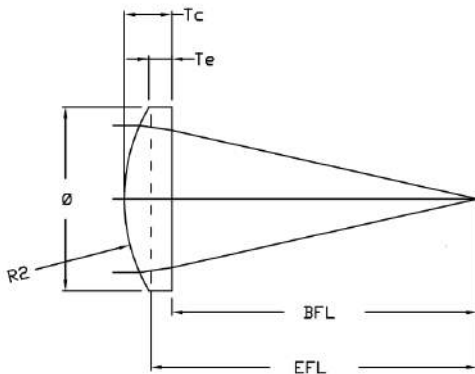


Plano Convex ($\Phi 10\text{mm}$)

Introduction

Plano-convex lenses are widely used in a lot of different applications. They can effectively collect divergent light from a point source and convert it into a collimated beam, or inversely focus a collimated beam to a point. Other applications also include magnification, imaging, etc. Egismos provides off-the-shelf lenses with diverse focal lengths.

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

$\Phi 10$ Plano Convex Lens							
Code	Diameter(Φ)	R1	R2	EFL	Tc	Te	Material
O1-PX-10-15-G	10	Infinity	7.78	15	2.27	1.5	K9
O1-PX-10-22-G	10	Infinity	11.4	22	1.79	1.5	K9
O1-PX-10-30-G	10	Infinity	15.56	30	3	2	K9
O1-PX-10-40-G	10	Infinity	20.8	40	3	1.8	K9
O1-PX-10-45-G	10	Infinity	18.2	45	2.6	1.9	K9

Specifications are subject to change without notice.

