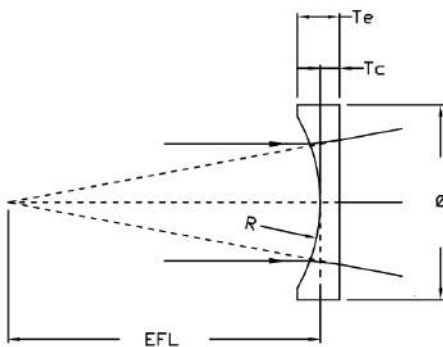


Plano Concave ($\Phi 10\text{mm}$)

Introduction

Plano concave lenses are used to expand the divergence angle of light beams. Hence, collimated laser beams diverge quickly after passing through a Plano Concave lens. (Inversely, Plano Convex lenses collect light from large angle beams and focus them, such as in applications where beams need to converge to a sensor). A proper combination of convex and concave lenses enables lens systems to provide many useful functions. Egismos provides off-the-shelf lenses with diverse radii of curvature.

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 Concave Lens

Code	Diameter(Φ)	R1	R2	EFL	Tc	Te	Material
O1-PV-10-15-G	10	-7.8	Infinity	-15	2	5.27	K9
O1-PV-10-20-G	10	-10.4	Infinity	-20	2	4.17	K9
O1-PV-10-25-G	10	-13.0	Infinity	-25	2	3.7	K9
O1-PV-10-40-G	10	-20.8	Infinity	-40	2	3	K9
O1-PV-10-50-G	10	-25.9	Infinity	-50	2	2.79	K9

Specifications are subject to change without notice.

