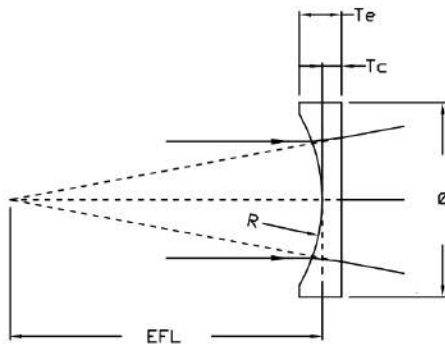


Plano Concave ($\Phi 25\text{mm}$)

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

$\Phi 25$ Plano Concave Lens

Code	Diameter(Φ)	R1	R2	EFL	Tc	Te	Material
O1-PV-25-38-G	25	-19.5	Infinity	-37.5	2	6.4	K9
O1-PV-25-50-G	25	-25.9	Infinity	-50	2	4.6	K9
O1-PV-25-63-G	25	-32.4	Infinity	-62.5	2	4.4	K9
O1-PV-25-75-G	25	-38.9	Infinity	-75	2	4	K9
O1-PV-25-100-G	25	-51.85	Infinity	-100	2	3.2	K9

Specifications are subject to change without notice.

