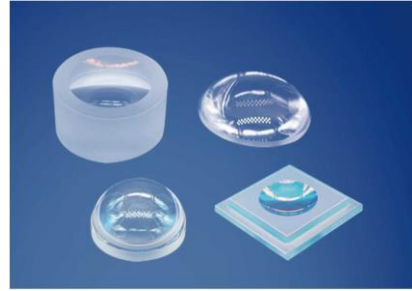


Lens :

Optical lens Lens is an optical component designed for converging light, diverging light, and beam shaping. It is mainly used in optical imaging, laser detection, optical communication and other fields.

According to the shape and function, it can be divided into plano-convex lens (PCX) , plano -concave lens (PCV), double-convex lens (DCX) , double-concave lens (DCV) , meniscus lens, plano-convex cylindrical lens, plano-concave cylindrical lens, aspheric lens, Chromatic lens, doublet lens, etc.



The lens has the functions of converging light, diverging light, and beam shaping in the optical path. The plano-convex lens (PCX) / double-convex lens (DCX) converges the light; The optical path is equivalent to doublet lens or lens group, which can correct axial aberration, such as spherical aberration, chromatic aberration, etc.; achromatic lens can correct chromatic aberration.

Shanghai Optics can provide optical glass lenses for visible light bands such as K9, BK7, B270 and optical crystal lenses for near-infrared/ infrared/ultraviolet spectral bands such as zinc selenide, zinc sulfide, calcium fluoride, fused Quartz etc.

Product parameters:

Technical Parameters	technical indicators	
	standard	high precision
precision	standard	high precision
Material	BK7, K9, quartz, sapphire, silicon, germanium, zinc selenide, calcium fluoride, magnesium fluoride, zinc sulfide, lithium fluoride,	
Dimensional tolerance	±0.1 mm	±0.03 mm
Center Thickness Tolerance	±0.25mm	±0.05mm
Parallelism	<3'	<3 0"
smoothness	40/20, 60/40	10/5, 20/10
Effective aperture	>85%	
face shape	$\lambda/2$ @632.8 nm	$\lambda/10$ @632.8nm
Chamfer	Protective chamfer or according to customer requirements	
coating	Customized according to customer requirements	