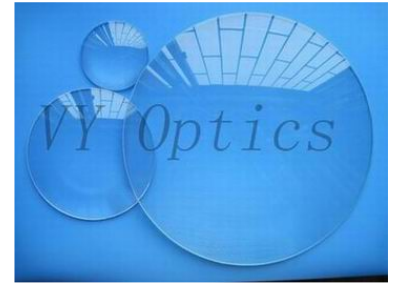


BK7 Spherical Optical Lens

This spherical lens is designed to transmit and refract light, either converging or diverging the beam. Compound versions use multiple elements to correct optical aberrations more effectively than single-element lenses.



Overview

High-Precision Spherical Lenses

These spherical lenses are precision optical devices designed to transmit and refract light, effectively converging or diverging beams for various optical applications. Available as simple or compound elements, they are engineered to minimize optical aberrations and ensure high-performance light management. Whether for imaging systems, laser applications, or scientific instruments, these lenses offer superior optical clarity and manufacturing consistency.

Material & Design

Material	BK7
Available Lens Configurations	Plano-concave, Bi-concave, Bi-convex, Meniscus

Optical Performance

Key Optical Metrics

1 % Focal Length Tolerance	98 % Clear Aperture	1 arc min Centration
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Surface Specifications

Parameter	Specification
Surface Figure	$\lambda/10$ at 633nm (plano side)
Surface Quality	10-5
Center Thickness Tolerance	+/- 0.01mm
Protective Chamfer	0.25mm at 45 degree

Customization

Coating Availability	Yes
Custom Design Service	Custom designs available per specific requirements