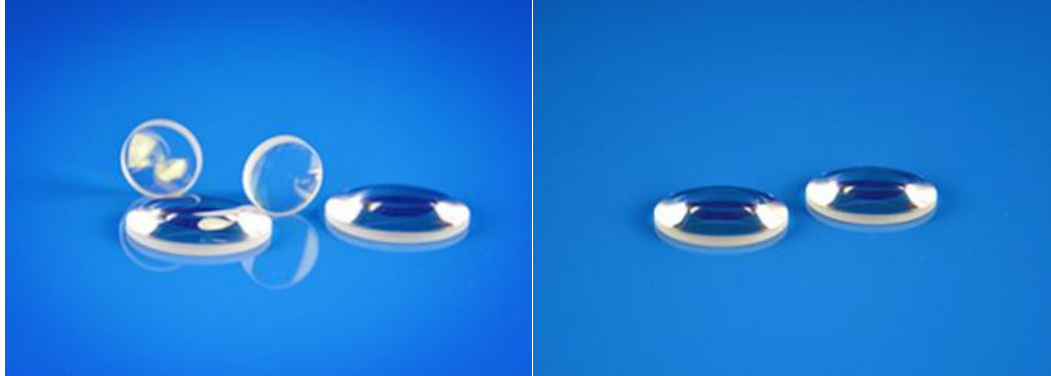


Lenses for Lasers

Laser Lenses are often used to focus or diverge light, it is a critical elements for laser focusing, collimators and beam expanders. Hangzhou Shalom EO offers the lens optics for the laser systems, with high flatness and surface quality, a variety types of lenses are available.



Substrate Materials

- BK7, UV Fused Silica, CaF₂, MgF₂, Sapphire or customized materials

Followe types of lenses are available

- Plano-convex spherical lenses
- Plano-concave spherical lenses
- Bi-convex spherical lenses
- Bi-concave spherical lenses
- Meniscus spherical lenses
- Plano-concave cylindrical lenses
- Plano-convex cylindrical lenses
- Rod lenses
- Ball lenses

SPECIFICATIONS

Specifications		
Material	BK7 UV fused Silica	CaF2, MgF2
Surface Quality	20/10 S/D	20/10 S/D
Flatness	Lambda/10@ 633nm	Lambda/10@633nm
Dimensional Tolerance	+0.00mm, -0.20mm	
Thickness Tolerance	±0.20mm	
Chamfer	0.3x45degree	
Concentricity	<0.05mm	
Clear Aperture	85% of dimension	
AR Coatings	Single Wavelength: R<0.20 (;R<0.1% available)	
	Broadband AR: R avg<0.50%	
	Dual Wavelength: Customized	
Damage Threshold	>10J/cm2, 8nsec pulse; 500MW/cm2, CW at 1064nm	