

Cylindrical Lenses

Cylindrical lenses provide one-dimensional magnification and can effectively reduce spherical and chromatic aberration. They change the size of the imaging dimension, converting a beam spot into a line or changing the image height without changing its width, and are designed to meet the demanding requirements of laser electro-optics applications. Mainly used in biochemical, medical, image-recognition and laser systems. Material: K9, fused silica.

Common specification

Parameter	Value
Substrate Material	H-K9L/N-BK7/Fused Silica
Design Wavelength	632.8 nm
Dimension Tolerance	+ 0/-0.2mm
Thickness Tolerance	±0.15mm
Focal Tolerance	±1%
Surface Quality	60/40
Center Thickness Tolerance	±0.1 mm
Decentration	<3·
Clear Aperture	>90%
Surface Flatness	·/2@632.8nm

Lens forms

Form
Meniscus cylindrical lens
Round cylindrical lens
Plano-convex cylindrical lens
Plano-concave cylindrical lens