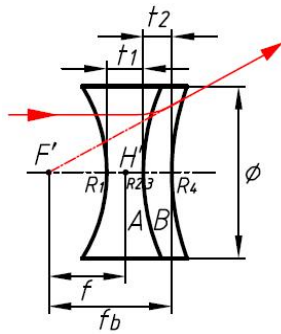
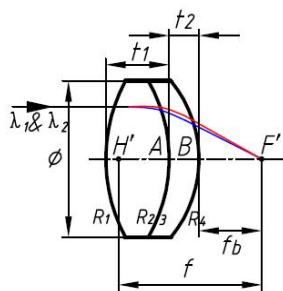


## Achromatic Lenses

### Negative Achromatic Lens



### Positive Achromatic Lens



Achromatic lenses are very common type of viewer lenses, they consist of two or more lens elements, which have been corrected for chromatic aberration with respect to two selected wavelengths, The elements must be fixed in relation to one another by either mounting or cement.

Achromatic Lenses are designed to specifically function within the infrared, visible, or ultra-violet wavelength ranges, and they are not symmetric devices. They must be installed with the correct front-to-back orientation (thicker element usually faces the eyes).

If installed incorrectly, with the lens orientation installed backwards the result will be extensive distortion and aberration.

Attribute	Specification
Design Wavelength	upon request
Diameter Tolerance(mm)	+0.0/-0.2 (General), +0.0/-0.2(High Precision)
Paraxial Focal Length Tolerance	±2%
Centration	<3 arc minutes
Clear Aperture	->80%(small size) ,>95%(large size)
Surface Figure(per 25mm @ 632.8nm)	<1.5λ, (General), <λ/4 (High Precision)
Irregularity ( @ 632.8nm)	<λ/4 (General), <λ/10 (High Precision)
Surface Quality	60/40 (General), 10/5 (High Precision)
Bevel	< 0.25 mm x 45°
Coating	upon request