



1T Optics Ltd www.1toptics.com +86 (0431) -85989809

Custom Achromatic Lenses

Achromatic doublet lenses consist of two optical components cemented together to form an achromatic doublet which is computer optimized to correct for on-axis spherical and chromatic aberrations. Our achromatic doublets are available with a single layer MgF₂ coating or a broadband multi-layer coating for the visible spectrum. NIR achromatic doublets and edge blackened achromatic doublets are also available.

- Designed for 0° Angle of Incidence
- Less Than 1.75% Reflectance Per Surface @ 400 - 700nm
- VIS 0° and VIS-NIR Coated Achromats Also Available

Specifications

- Material Optical Flint glass & Crown glass
- Diameter 6mm~200mm
- Focal length 50mm~2000mm
- Center Thickness 2mm~50mm
- Surface quality 60/40 40/20 20/10
- Surface accuracy $\lambda/2 \sim \lambda/10$ @ 632.8nm, 532nm
- Clear Aperture >85% dia diameter
- Centration <3arc min~ 30arc sec
- Coating As per customer's request

Any questions feel free contact me , Grace@1toptics.com