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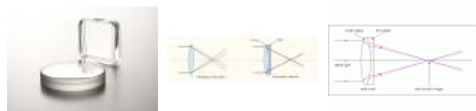
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- Home
- About Us
- Products
- Services
- Contact Us

Home - Achromatic Lenses

Achromatic Lenses



Overview

An Achromatic Lens or Achromat is a Lens that is designed to limit the effects of chromatic and spherical aberration. Achromatic Lenses are corrected to bring two wavelengths (typically red and blue) into focus in the same plane

The most common type of Achromat is the Achromatic doublet, which is composed of two individual lenses made from glasses with different amounts of dispersion. Typically, one element is a negative (concave) element made out of flint glass such as F2, which has relatively high dispersion, and the other is a positive (convex) element made of crown glass such as BK7, which has lower dispersion.

They deliver high performance when the application involves small fields of view, typically up to 6 degrees. Their image quality surpasses that of singlets

Typical applications where achromatic doublet lenses are used are imaging, analyzers, fiber-optic lighting, laser range finders endoscopes and borescopes.

Kindly send us your specific requirement; we will support you with your Achromatic Lenses.



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- Triplet Lens
- Cylindrical Lenses
- Rod Lens & Ball Lens
- Zinc Selenide Infrared (IR) Aspheric Lenses
- Plano-Concave & Biconcave Lens



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