

PRODUCTS

Achromatic lens

2018-02-28 [admin \(https://www.photonchina.com/author/admin/\)](https://www.photonchina.com/author/admin/)

Achromatic lenses are normally made of BK7, fused silica and CaF₂.

Special focusing systems can be designed by Photonchina's engineer team.

Normal Achromatic Lens

LENSES	MATERIALS	ILLUSTRATION	PROPERTIES AND APPLICATIONS
ACHROMATIC LENS	Combinations of Two Optical Grade Glasses		These lenses have considerably reduced values of spherical aberrations. Best used to replace single components where performance must be improved.

Super Small Achromatic Lens

Super small Achromatic Lenses for your specific application provide excellent wavefront quality, super small spot size and improved modulation transfer function (MTF).

Feature

- Small diameter size up to 3mm
- Short focal length, such as 5mm
- Strict quality control, excellent quality
- AR-coating, mounts services

Specifications

DIAMETER SIZE	smallest 3 mm
DIAMETER TOLERANCE	+0.0, -0.05mm
PARALLEL FOCAL LENGTH TOLERANCE	±2%
CENTRATION	5 arc minutes
CLEAR APERTURE	>80%
SURFACE FIGURE: POWER(N)	<3
SURFACE FIGURE: IRREGULARITY(N)	<0.5

SURFACE QUALITY	40/20 scratch and dig
BEVEL	< 0.2 mm x 45°
COATING	Single layer MgF ₂ broadband AR

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