

Mounted Achromatic Lens Kit

- Contains Our Ø1" Achromatic Doublets
- Labeled (Laser Engraved) for Easy Identification
- Threaded with Thorlabs Standard SM1 Lens Mounts (1.035-40)
- Protective Case for Easy Storage

10% SAVINGS OVER BUYING THE INDIVIDUAL LENSES



Specifications

- Each Kit Contains Focal Lengths: $f=30, 35, 40, 45, 50, 60, 75, 100, 150, 200, 250, 300, 400,$ and 500mm
- -A1: AR Coated 400-700nm
- -B: AR Coated 650-1050nm
- -C: AR Coated 1050-1620nm

These achromatic doublet lens kits contain our Ø1" achromatic doublets mounted in SM1 cells. The focal length, coating range, and part number are engraved on each lens cell so that the lenses can be identified easily.

Includes:

$f=30, 35, 40, 45, 50, 60, 75, 100, 150, 200, 250, 300, 400,$ and 500mm (All Mounted in Engraved Ø1" Cells)

- Kits, Mechanical
- Kits, Lenses
- Kits, Filters
- Kits, Screws

Visible Achromatic Doublets

- **Design Wavelength for Coating A1:** 486.1nm, 587.6nm, and 656.3nm
- **Diameter Tolerance:** +0.00/-0.10mm
- **Focal Length Tolerance:** $\pm 1\%$
- **Scratch/Dig:** 40/20
- **Centration:** $\leq 3\text{arcmin}$
- **Clear Aperture:** $>90\%$ of Diameter
- **Coating:** $R_{\text{avg}} < 0.5\%$ From 400-700nm (A1 Coating Range)
- **Operating Temperature:** -40°C to $+85^{\circ}\text{C}$

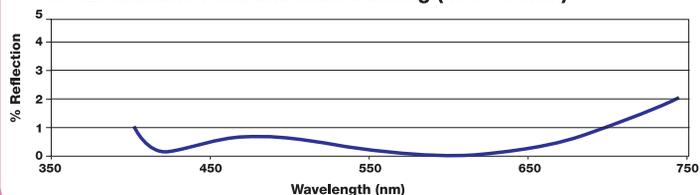
Near IR Achromatic Doublets

- **Design Wavelength for Coating B:** 706.5nm, 855nm, and 1015nm
- **Diameter Tolerance:** +0.00/-0.10mm
- **Focal Length Tolerance:** $\pm 1\%$
- **Scratch/Dig:** 40/20
- **Centration:** $\leq 3\text{arcmin}$
- **Clear Aperture:** $>90\%$ of Diameter
- **Coating:** $R_{\text{avg}} < 0.5\%$ From 650-1050nm (B Coating Range)
- **Operating Temperature:** -40°C to $+85^{\circ}\text{C}$

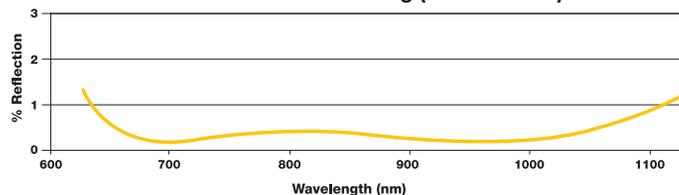
Telecomm Achromatic Doublets

- **Design Wavelength for Coating C:** 1016nm, 1330nm, and 1550nm
- **Diameter Tolerance:** +0.00/-0.10mm
- **Focal Length Tolerance:** $\pm 1\%$
- **Scratch/Dig:** 40/20
- **Centration:** $\leq 3\text{arcmin}$
- **Clear Aperture:** $>90\%$ of Diameter
- **Coating:** $R_{\text{avg}} < 0.5\%$ From 1050-1620nm (C Coating Range)
- **Operating Temperature:** -40°C to $+85^{\circ}\text{C}$

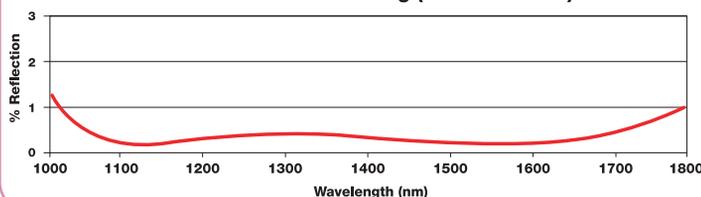
A1 Broadband Antireflection Coating (400-700nm)



B Broadband Antireflection Coating (650-1050nm)



C Broadband Antireflection Coating (1050-1620nm)



ITEM #	\$	£	€	RMB	DESCRIPTION
LSB08-A1	\$ 1,075.00	£ 677.30	€ 999.80	¥ 10,266.30	Visible Ø1" Achromatic Lens Kit, 400-700nm
LSB08-B	\$ 1,195.00	£ 752.90	€ 1,111.40	¥ 11,412.30	Near IR Ø1" Achromatic Lens Kit, 650-1050nm
LSB08-C	\$ 1,265.00	£ 797.00	€ 1,176.50	¥ 12,080.80	Telecom Ø1" Achromatic Lens Kit, 1050-1620nm