

14ATL**Mounted Achromatic Triplet Lenses**

Standa mounted achromatic triplet is three-lens system commonly used in fluorescence and spectroscopy research applications. Air-spaced computer optimized triplet design is a cost effective and convenient way for correcting all primary aberrations.

All our assemblies are mounted in robust aluminium housing, which allows easy handling and integration into optical setup.

Special options include:

- mounting threads
- triplets of greater apertures
- AR coatings.

Please contact us for pricing.

**STANDARD SPECIFICATIONS**

Diameter Tolerance	+0.00, -0.10 mm
Focal Length Tolerance	±1%
Clear Aperture	>90% of Diameter
Centration	≤3 arcmin
Surface Quality	60–40 scratch/dig
Wavefront Distortion	$\lambda/4$ @ 632.8 nm
Coatings	BBAR @ 400–700 nm, AR @ 1064 nm, AR @ 532 nm
Housing Material	Black anodized aluminium
Mounting Thread	Optional

FEATURES

- Air-Spaced three lens design for infinite conjugate ratios
- AR coatings available upon request
- Provides minimal chromatic and spherical aberrations
- Custom size triplets available upon request

MOUNTED ACHROMATIC TRIPLET LENSES

f/l, mm	CA, mm	Housing D, mm	Housing t, mm	Ordering code
56	35	41	33	14ATL56-35
77	35	41	33	14ATL77-35
90	35	41	33	14ATL90-35
99.6	27	36(41)	28	14ATL99.6-27
127	27	36(41)	28	14ATL127-27
144.9	27	36(41)	28	14ATL144.9-27
15.5	15	25	15.5	14ATL15.5-15

RELATED PRODUCTS AND ACCESSORIES

- **5KOM5-1** – Five Axis Kinematic Optical Mount

**CODE EXAMPLE FOR ORDERING****14ATL56-35**Focal length
f/l, mmClear aperture
CA, mm

OPTICAL SUBSTRATES

LENSES

PRISMS

DIELECTRIC
COATED OPTICSMETALLIC
COATED OPTICS

FILTERS

OFF-AXIS MIRRORS

VARIABLE
REFLECTIVITY MIRRORSNON POLARIZING
BEAMSPLITTER CUBES

POLARIZING OPTICS

ADAPTIVE OPTICAL
SYSTEMS

COATINGS SECTION



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