

TECHSPEC[®] 9mm Dia x 18mm EFL Steinheil Triplet Achromatic Lens



Stock **#47-674** 20+ In Stock

-

1

+

€124^{.00}

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Volume Pricing	
Qty 1-5	€124,00 each
Qty 6-25	€99,00 each
Qty 26-49	€93,50 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Achromatic Triplet Lens

Type:

Physical & Mechanical Properties

9.00 +0.0/-0.025

Diameter (mm):

<3

Centering (arcmin):

12.96	Center Thickness CT (mm):
7.2	Center Thickness A (mm):
2.88	Center Thickness B (mm):
-11.25	Radius R ₄ (mm):
11.08	Edge Thickness ET (mm):
Protective as needed	Bevel:

Optical Properties

18.00	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
12.85	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
11.25	Radius R ₁ (mm):
5.89	Radius R ₂ (mm):
-5.89	Radius R ₃ (mm):
N-BASF64 / N-BK7 / N-BASF64	Substrate:
40-20	Surface Quality:
2.00	f/#:
0.25	Numerical Aperture NA:
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤1.75% @ 400 - 700nm	Coating Specification:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
400 - 700	Wavelength Range (nm):

Regulatory Compliance

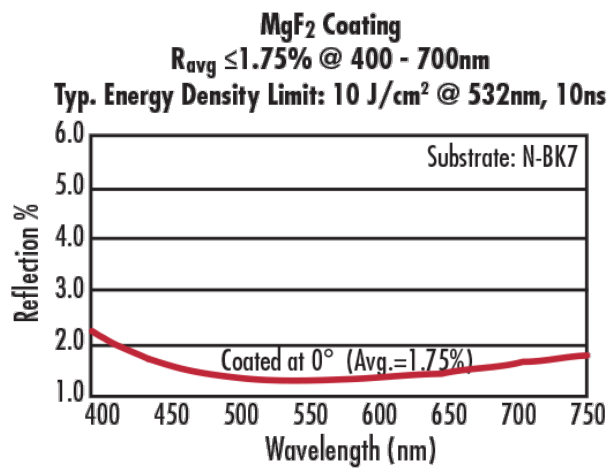
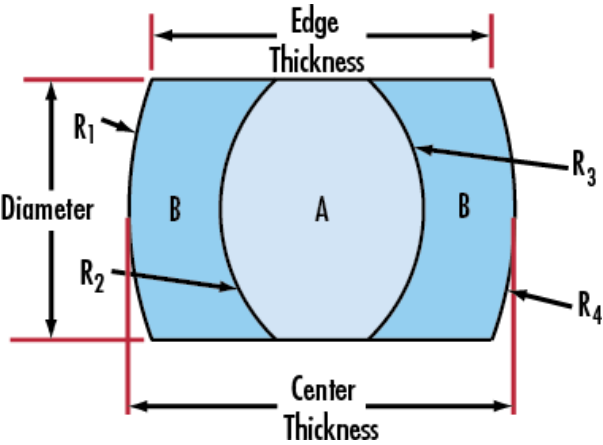
Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

Product Details

- Designed for 1:1 Conjugate Ratios
- Ideal for Relay Systems
- [Hastings Triplet Achromatic Lenses](#) Also Available

TECHSPEC® Steinheil Triplet Achromatic Lenses are designed for 1:1 conjugate ratios and utilize symmetry to correct for aberrations. Steinheils are made from a low index center element cemented between two identical high index outer elements. Each lens is edged down to f-numbers with reasonable aberration correction at increased fields. TECHSPEC® Steinheil Triplet Achromatic Lenses feature small diameters that allow for mounting in smaller spaces compared to traditional Steinheil lens designs. Steinheil Triplets are ideal for use in relay systems.

Technical Information



Coating Curves

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
 - High-precision surface quality and flatness
 - Tight tolerances and complex geometries
 - Scalable production—from prototype to volume
- Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).