

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



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

₹8,797

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹8,797 each |
| Qty 6-25 | ₹7,007 each |
| Qty 26-49 | ₹6,617 each |
| Need More? | Request Quote |

Product Downloads

SPECIFICATIONS

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 R₄ (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 R₁ (mm): |
| 5.89 | Radius R₂ (mm): |
| -5.89 | Radius R₃ (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

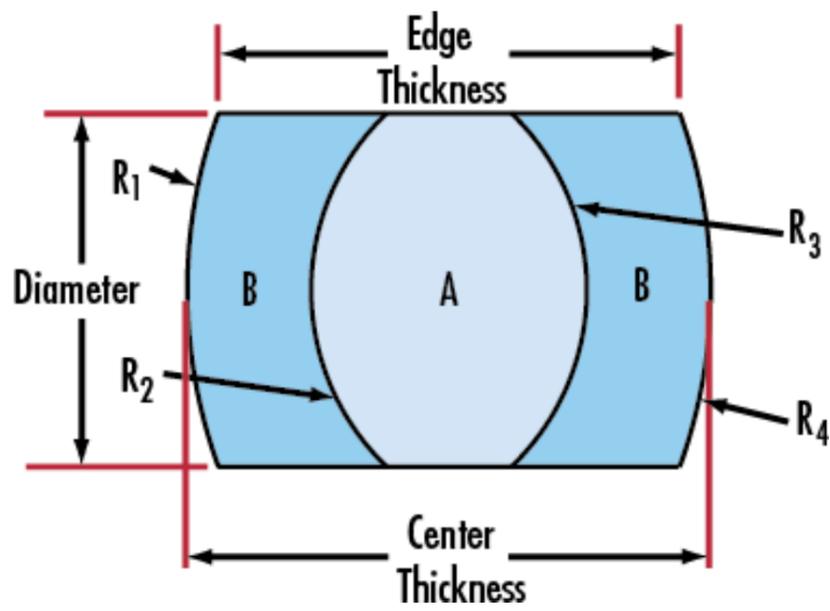
| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| Compliant | Reach 219: |
| View | Certificate of Conformance: |

PRODUCT DETAILS

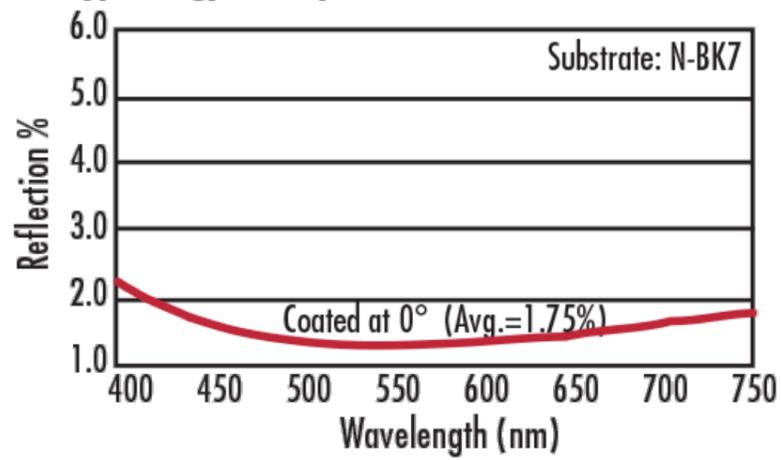
- Designed for 1:1 Conjugate Ratios
- Ideal for Relay Systems
- [Hastings Triplet Achromatic Lenses](#) Also Available

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



MgF₂ Coating
 $R_{avg} \leq 1.75\% @ 400 - 700nm$
 Typ. Energy Density Limit: 10 J/cm² @ 532nm, 10ns



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](#).