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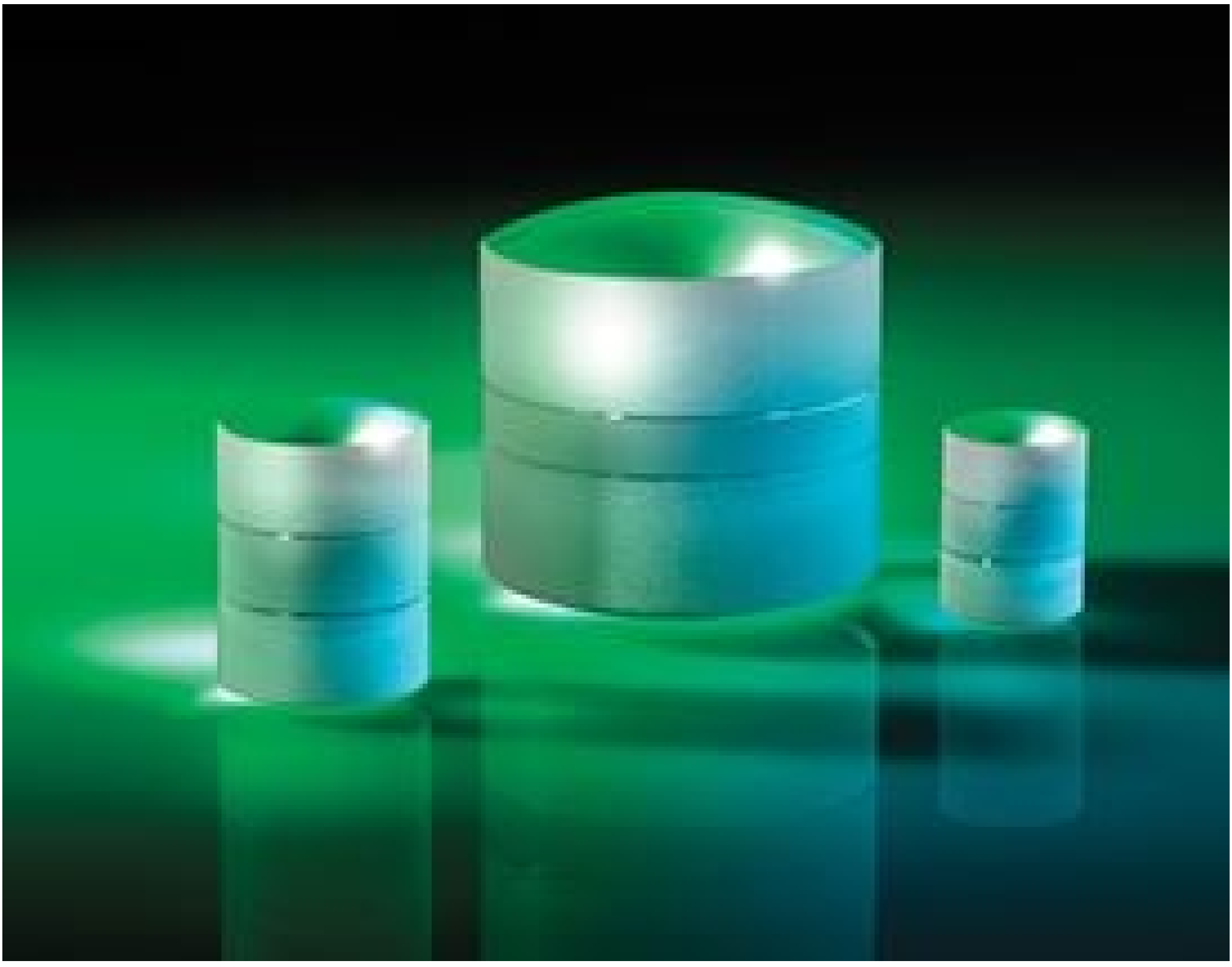
TECHSPEC® 12.5 x 25mm EFL Steinheil Triplet Achromatic Lens



Stock **#47-675** **20+ In Stock**

- 1 + **A$220.80**

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Volume Pricing	
Qty 1-5	**A$220.80** each
Qty 6-25	**A$176.00** each
Qty 26-49	**A$166.40** each
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Product Downloads

General

Type:

Achromatic Triplet Lens

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.025

Centering (arcmin):

<3

Center Thickness CT (mm):	18.00
Center Thickness A (mm):	10.00
Center Thickness B (mm):	4.00
Radius R_4 (mm):	-15.65
Edge Thickness ET (mm):	15.39
Bevel:	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	25.00
Focal Length Tolerance (%):	±1
Back Focal Length BFL (mm):	17.82
Focal Length Specification Wavelength (nm):	587.6
Radius R_1 (mm):	15.65
Radius R_2 (mm):	8.22
Radius R_3 (mm):	-8.22
Substrate:	N-BASF64 / N-BK7 / N-BASF64
Surface Quality:	40-20
f/#:	2.00
Numerical Aperture NA:	0.25
Coating:	MgF_2 (400-700nm)
Coating Specification:	R_{avg} ≤1.75% @ 400 - 700nm
Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4
Wavelength Range (nm):	400 - 700

Regulatory Compliance

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

Need different specs or modifications?

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.

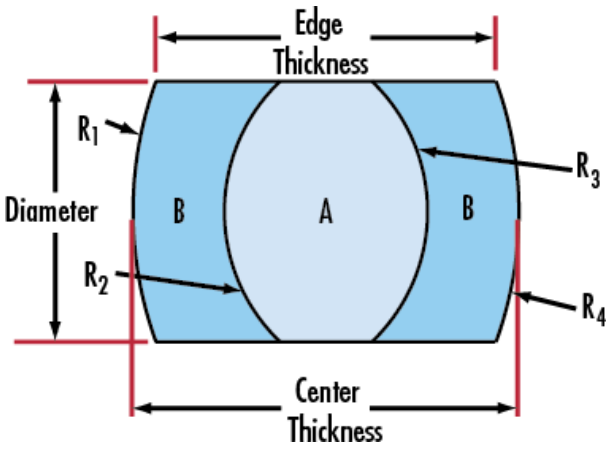
Product Details

- 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

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