

**TECHSPEC® 8mm Dia x 12.5mm EFL Hastings Triplet Achromatic Lens**



Stock #13-521 **20+ In Stock**

⊖ 1 ⊕ C\$187.<sup>60</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$187.60 each
Qty 6-25	C\$151.20 each
Qty 26-49	C\$145.60 each
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**General**

Achromatic Triplet Lens **Type:**

**Physical & Mechanical Properties**

8.00 +0.0/-0.025 **Diameter (mm):**

<3 **Centering (arcmin):**

7.23	Center Thickness CT (mm):
5.23	Center Thickness A (mm):
1.00	Center Thickness B (mm):
-9.395	Radius R <sub>4</sub> (mm):
5.44	Edge Thickness ET (mm):
Protective as needed	Bevel:

## Optical Properties

12.50	Effective Focal Length EFL (mm):
±2	Focal Length Tolerance (%):
9.82	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
9.40	Radius R <sub>1</sub> (mm):
4.805	Radius R <sub>2</sub> (mm):
-4.805	Radius R <sub>3</sub> (mm):
<a href="#">N-F2 / N-BK7 / N-F2</a>	Substrate: <input type="checkbox"/>
40-20	Surface Quality:
1.56	f#:
0.32	Numerical Aperture NA:
MgF <sub>2</sub> (400-700nm)	Coating:
R <sub>avg</sub> ≤ 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

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">Compliant</a>	Reach 219:
<a href="#">View</a>	Certificate of Conformance:

## 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](#).

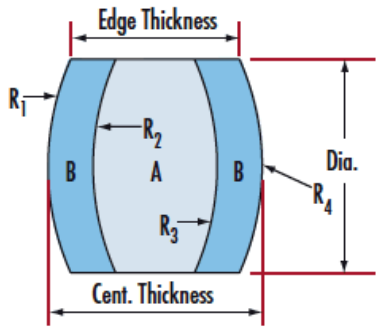
## Product Details

- Unique, 3-Element Design
- MgF<sub>2</sub> Coated
- Steinheil Triplet Achromatic Lenses also Available

TECHSPEC® Hastings Triplet Achromatic Lenses feature a unique, three-element design that provides distortion free, color-correct viewing. These lenses are computer designed to interact with each other, contributing to the reduction or elimination of "pincushion" distortion, in addition to chromatic and spherical aberrations. TECHSPEC® Hastings Triplet Achromatic Lenses are composed of two concave meniscus elements cemented to a double-

convex lens. These lenses are AR coated with MgF<sub>2</sub>, making them ideal for performance in the VIS range.

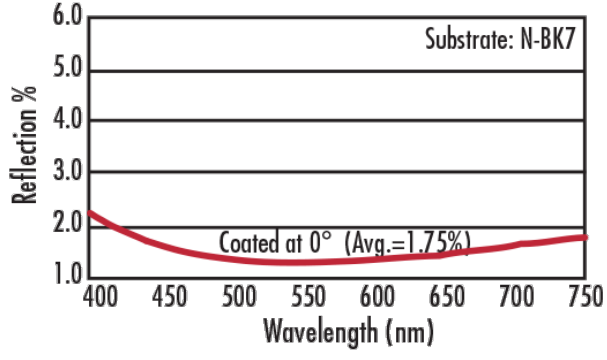
## Technical Information



### MgF<sub>2</sub> Coating

$R_{avg} \leq 1.75\%$  @ 400 - 700nm

Typ. Energy Density Limit: 10 J/cm<sup>2</sup> @ 532nm, 10ns



## Coating Curves