

**TECHSPEC® 2mm Dia. x 12mm FL, VIS 0° Coated, Achromatic Lens**



Stock #83-979 CLEARANCE 20+ In Stock

⊖ 1 ⊕ S\$333<sup>20</sup>

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**General**

Achromatic Lens Type:

**Physical & Mechanical Properties**

2.00 +0.0/-0.025 Diameter (mm):

1.6 Clear Aperture CA (mm):

<1	<b>Centering (arcmin):</b>
2.00 ±0.10	<b>Center Thickness CT (mm):</b>
1.00 ±0.05	<b>Center Thickness CT 1 (mm):</b>
1.00 ±0.05	<b>Center Thickness CT 2 (mm):</b>
1.91	<b>Edge Thickness ET (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

12.00	<b>Effective Focal Length EFL (mm):</b>
±1	<b>Focal Length Tolerance (%):</b>
11.00	<b>Back Focal Length BFL (mm):</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
7.20	<b>Radius R<sub>1</sub> (mm):</b>
-7.2	<b>Radius R<sub>2</sub> (mm):</b>
-27.8	<b>Radius R<sub>3</sub> (mm):</b>
<a href="#">N-PSK53A / N-LASP9</a>	<b>Substrate:</b> <input type="checkbox"/>
20-10	<b>Surface Quality:</b>
6.00	<b>f#:</b>
0.08	<b>Numerical Aperture NA:</b>
VIS 0° (425-675nm)	<b>Coating:</b>
R <sub>avg</sub> ≤0.4% @425 - 675nm	<b>Coating Specification:</b>
1.5λ	<b>Power (P-V) @ 632.8nm:</b>
λ/4	<b>Irregularity (P-V) @ 632.8nm:</b>
425 - 675	<b>Wavelength Range (nm):</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>Reach 181:</b>
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm
- [MgF<sub>2</sub>](#) and [VIS-NIR](#) Coated Achromats Also Available

TECHSPEC® VIS 0° Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated

## Technical Information



## Coating Curves

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