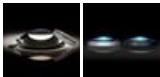


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TECHSPEC<sup>®</sup> 25.4mm Dia. x 40.0mm FL, VIS-EXT Coated, Plano-Convex Lens



Stock **#38-473** 1 In Stock

☐ [Other Coating Options](#)

-

1

+

₹3,970

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| Qty 1-9        | ₹3,970 each                   |
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General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

25.40 +0.0/-0.025

|                      |                           |
|----------------------|---------------------------|
| <1                   | Centering (arcmin):       |
| 5.90 ±0.10           | Center Thickness CT (mm): |
| 1.54                 | Edge Thickness ET (mm):   |
| 24.4                 | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Optical Properties                   |                                                       |
| 40.00 @ 587.6nm                      | Effective Focal Length EFL (mm):                      |
| 36.11                                | Back Focal Length BFL (mm):                           |
| VIS-EXT (350-700nm)                  | Coating:                                              |
| R <sub>avg</sub> <0.5% @ 350 - 700nm | Coating Specification:                                |
| N-BK7                                | Substrate: <input type="checkbox"/>                   |
| 40-20                                | Surface Quality:                                      |
| 1.5λ                                 | Power (P-V) @ 632.8nm:                                |
| λ/4                                  | Irregularity (P-V) @ 632.8nm:                         |
| ±1                                   | Focal Length Tolerance (%):                           |
| 20.67                                | Radius R <sub>1</sub> (mm):                           |
| 1.57                                 | f/#:                                                  |
| 0.32                                 | Numerical Aperture NA:                                |
| 350 - 700                            | Wavelength Range (nm):                                |
| 5 J/cm² @ 532nm, 10ns                | Damage Threshold, By Design: <input type="checkbox"/> |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Regulatory Compliance               |                             |
| Compliant                           | RoHS 2015:                  |
| View                                | Certificate of Conformance: |
| Compliant                           | Reach 235:                  |
| Japan                               | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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

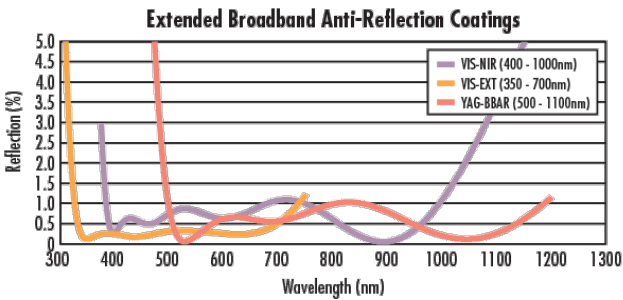
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

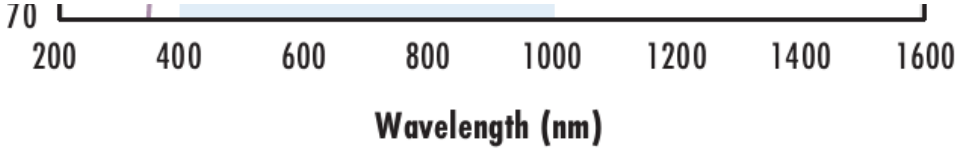
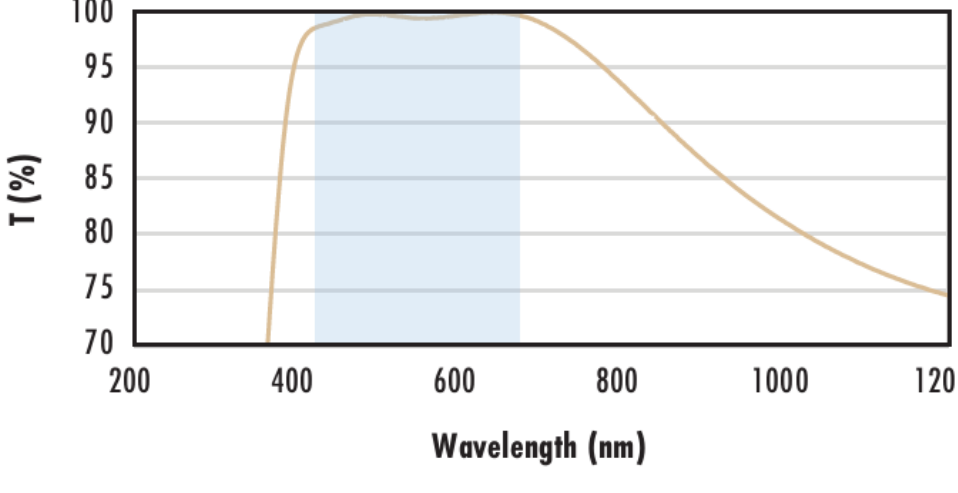
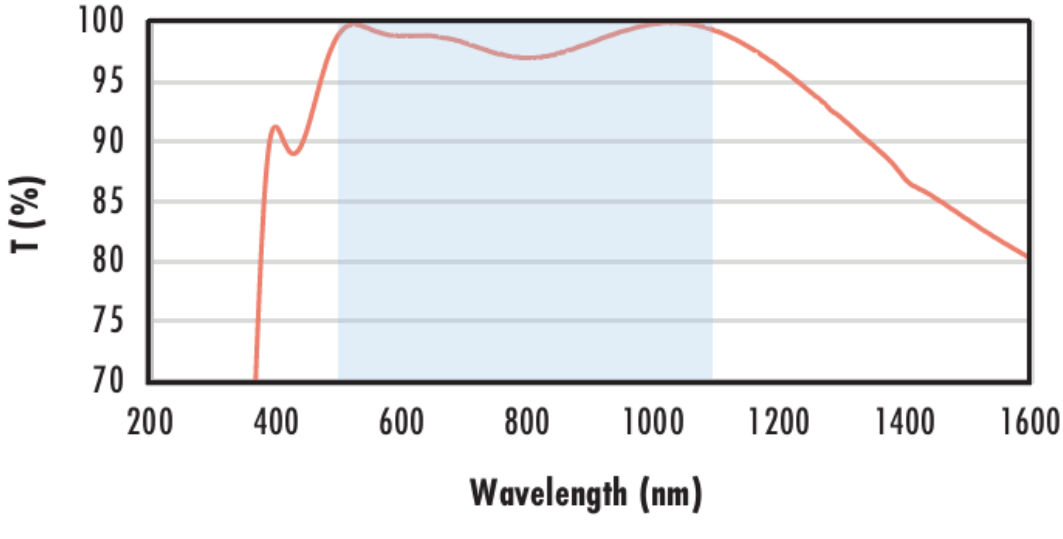
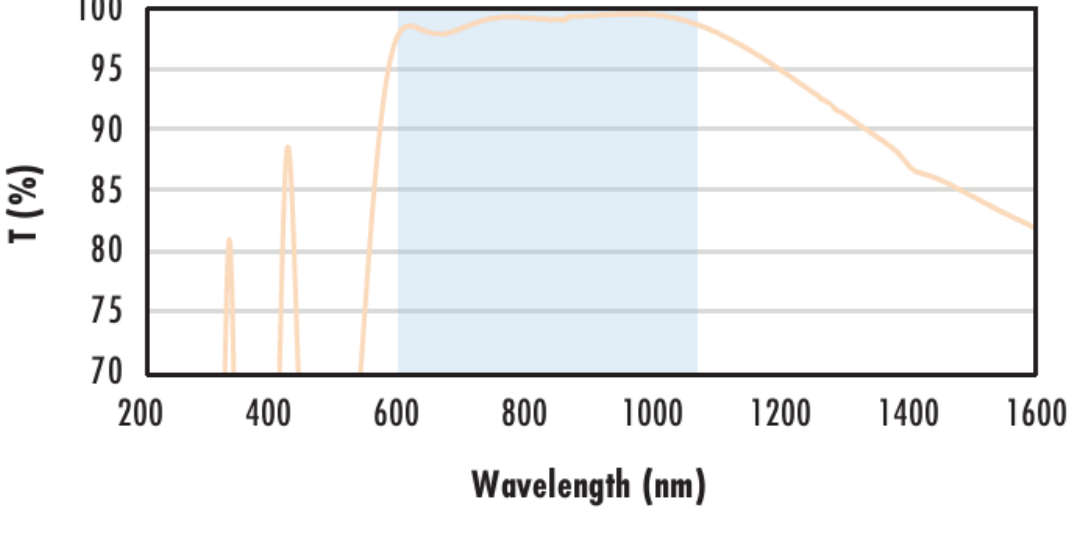
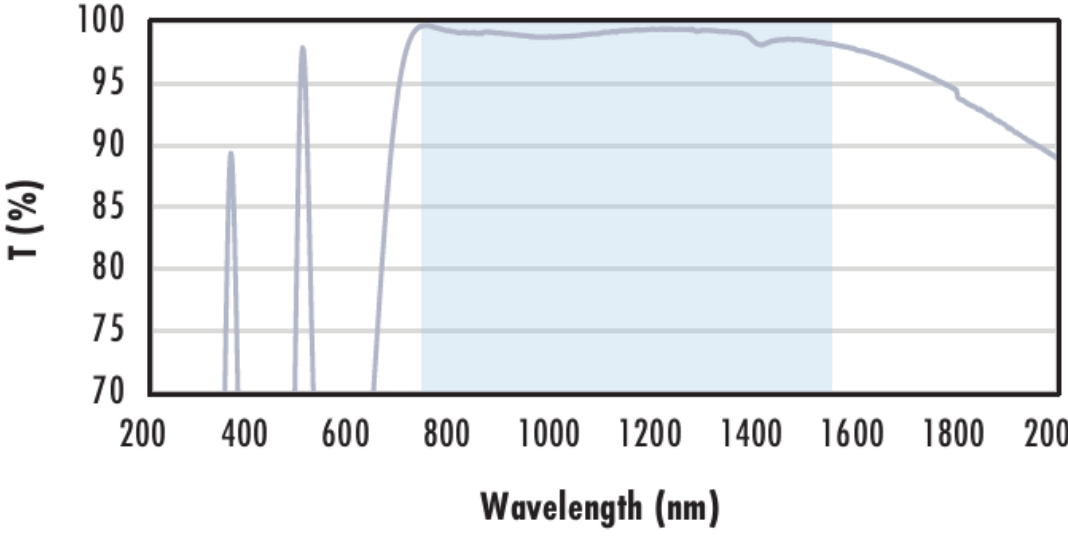
- Visible Broadband Anti-Reflection Coating with Extended UV Performance
- AR Coated to Provide <0.5% Reflectance per Surface for 350 - 700nm
- Designed for 0° Angle of Incidence
- Various PCX Coating Options: [Uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), and [YAG-BBAR](#)

TECHSPEC® VIS-EXT Coated Plano-Convex (PCX) Lenses have a positive focal length, making them ideal for collecting and focusing light in imaging applications. They are also useful in a variety of applications involving emitters, detectors, lasers, and fiber optics. TECHSPEC® VIS-EXT Coated Plano-Convex (PCX) Lenses are available in a wide variety of diameters and focal lengths. Identical designs of these PCX lenses are also offered [uncoated](#) or with broadband anti-reflective (BBAR) coatings, which include [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), and [YAG-BBAR](#).

Technical Information



| N-BK7                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Uncoated N-BK7 Typical Transmission</div></div>                     | <div>Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.</div> <div><a href="#">Click Here to Download Data</a></div>                                                                                                                                                                                                                                                                                                                                                                                          |
| <div><div>N-BK7 with MgF<sub>2</sub> Coating Typical Transmission</div></div> | <div>Typical transmission of a 3mm thick N-BK7 window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><math>R_{avg} \leq 1.75\% @ 400 - 700\text{nm}</math> (N-BK7)</div> <div>Data outside this range is not guaranteed and is for reference only.</div> <div><a href="#">Click Here to Download Data</a></div>                                                                                                 |
| <div><div>N-BK7 with VIS-EXT Coating Typical Transmission</div></div>         | <div>Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><math>R_{avg} \leq 0.5\% @ 350 - 700\text{nm}</math></div> <div>Data outside this range is not guaranteed and is for reference only.</div> <div><a href="#">Click Here to Download Data</a></div>                                                                                                                  |
| <div><div>N-BK7 with VIS-NIR Coating Typical Transmission</div></div>         | <div>Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.</div> <div>The blue shaded region indicates the coating design wavelength range, with the following specification:</div> <div><math>R_{abs} \leq 0.25\% @ 880\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 400 - 870\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}</math></div> <div>Data outside this range is not guaranteed and is for reference only.</div> <div><a href="#">Click Here to Download Data</a></div> |

|                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p data-bbox="596 261 974 350"><b>N-BK7 with VIS 0° Coating</b><br/><b>Typical Transmission</b></p>       | <p data-bbox="1337 391 1843 442">Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p data-bbox="1337 454 1850 504">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1478 516 1709 543"><math>R_{avg} \leq 0.4\%</math> @ 425 - 675nm</p> <p data-bbox="1341 555 1841 605">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 617 1711 644"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                          |
| <p data-bbox="569 857 1037 946"><b>N-BK7 with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1341 985 1839 1035">Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p data-bbox="1333 1047 1852 1098">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1493 1110 1692 1136"><math>R_{abs} \leq 0.25\%</math> @ 532nm</p> <p data-bbox="1493 1136 1692 1163"><math>R_{abs} \leq 0.25\%</math> @ 1064nm</p> <p data-bbox="1472 1163 1713 1190"><math>R_{avg} \leq 1.0\%</math> @ 500 - 1100nm</p> <p data-bbox="1341 1202 1841 1252">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 1264 1711 1291"><a href="#">Click Here to Download Data</a></p>            |
| <p data-bbox="617 1495 1010 1584"><b>N-BK7 with NIR I Coating</b><br/><b>Typical Transmission</b></p>   | <p data-bbox="1341 1647 1839 1697">Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p data-bbox="1333 1709 1852 1760">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1472 1771 1713 1798"><math>R_{avg} \leq 0.5\%</math> @ 600 - 1050nm</p> <p data-bbox="1341 1810 1841 1860">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 1872 1711 1899"><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                             |
| <p data-bbox="606 2133 1016 2223"><b>N-BK7 with NIR II Coating</b><br/><b>Typical Transmission</b></p>  | <p data-bbox="1341 2252 1839 2303">Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.</p> <p data-bbox="1333 2315 1852 2365">The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p data-bbox="1472 2377 1713 2404"><math>R_{abs} \leq 1.5\%</math> @ 750 - 800nm</p> <p data-bbox="1472 2404 1713 2430"><math>R_{abs} \leq 1.0\%</math> @ 800 - 1550nm</p> <p data-bbox="1472 2430 1713 2457"><math>R_{avg} \leq 0.7\%</math> @ 750 - 1550nm</p> <p data-bbox="1341 2484 1841 2534">Data outside this range is not guaranteed and is for reference only.</p> <p data-bbox="1474 2546 1711 2573"><a href="#">Click Here to Download Data</a></p> |

# Compatible Mounts

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