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/ [Standard Plano-Convex \(PCX\) Lenses](#) / [VIS-EXT Coated Plano-Convex \(PCX\) Lenses](#)

TECHSPEC®

25.0mm Dia. x 75.0mm FL, VIS-EXT, Inked, Plano-Convex Lens



Stock #88-726-INK [CONTACT US](#) [Other Coating Options](#)

1 C\$91.⁰⁰

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Volume Pricing	
Qty 1-9	C\$91.00 each
Qty 10-24	C\$81.90 each
Qty 25-49	C\$72.80 each
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Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	
ISO 10110 Drawing	
IGES:igs	Curve (xlsx):xlsx
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	

General			
Type:	Plano-Convex Lens		
Physical & Mechanical Properties			
Diameter (mm):	25.00 ±0.025	Centering (arcmin):	<1
Center Thickness CT (mm):	4.50 ±0.10	Edge Thickness ET (mm):	2.43
Clear Aperture CA (mm):	24	Bevel:	Protective as needed
Optical Properties			
Effective Focal Length EFL (mm):	75.00 @ 587.6nm	Back Focal Length BFL (mm):	72.00
Coating:	VIS-EXT (350-700nm)	Coating Specification:	R _{avg} <0.5% @ 350 - 700nm
Substrate: ⓘ	N-BK7	Surface Quality:	40-20
Power (P-V) @ 632.8nm:	1.5λ	Irregularity (P-V) @ 632.8nm:	λ/4
Focal Length Tolerance (%):	±1	Radius R₁ (mm):	38.76
f/#:	3	Numerical Aperture NA:	0.17
Wavelength Range (nm):	350 - 700	Damage Threshold, By Design: ⓘ	5 J/cm ² @ 532nm, 10ns

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](#).

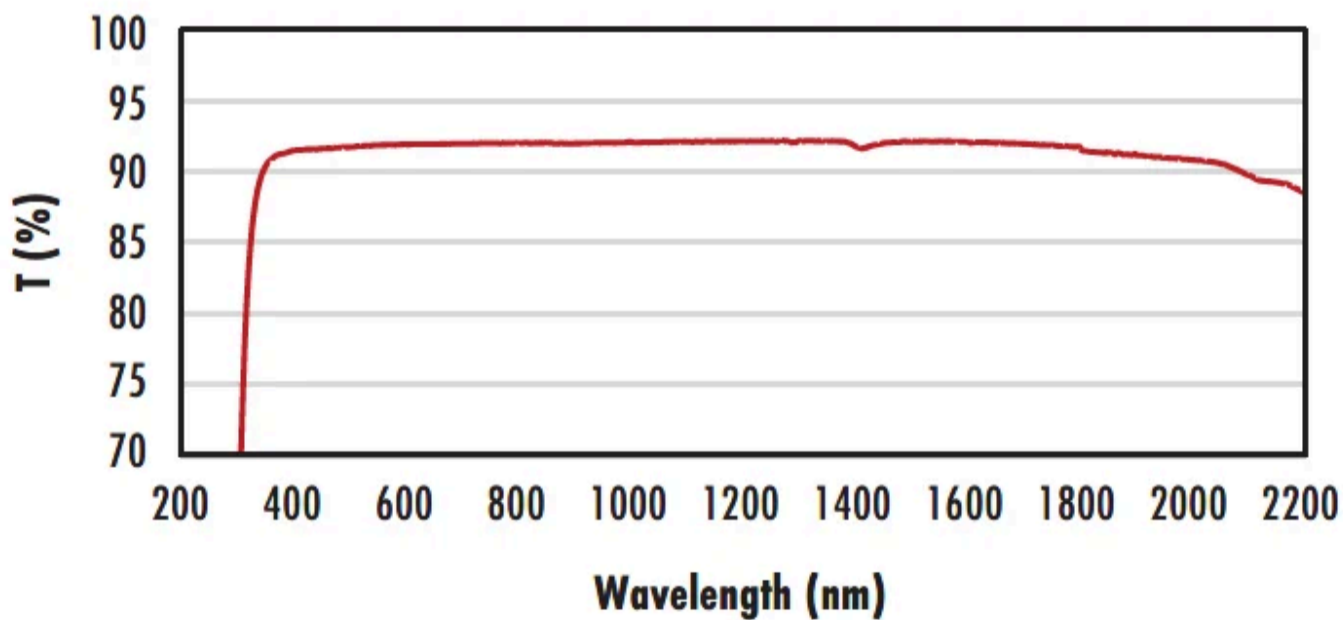
Product Details

- 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](#), [MgF₂](#), [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 [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), and [YAG-BBAR](#).

Technical Information

Uncoated N-BK7 Typical Transmission



Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.

[Click Here to Download Data](#)

N-BK7 with MgF₂ Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window w MgF₂ (400-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 1.75\% \text{ @ } 400 - 700\text{nm (N-BK7)}$$

Data outside this range is not guaranteed and is for reference only.

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N-BK7 with VIS-EXT Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window w VIS-EXT (350-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.5\% \text{ @ } 350 - 700\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

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N-BK7 with VIS-NIR Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window w VIS-NIR (400-1000nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}$$

$$R_{avg} \leq 1.25\% \text{ @ } 400 - 870\text{nm}$$

$$R_{avg} \leq 1.25\% \text{ @ } 890 - 1000\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

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N-BK7 with VIS 0° Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with 0° (425–675nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

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N-BK7 with YAG-BBAR Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500–1100nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{abs} \leq 0.25\% \text{ @ } 532\text{nm}$$

$$R_{abs} \leq 0.25\% \text{ @ } 1064\text{nm}$$

$$R_{avg} \leq 1.0\% \text{ @ } 500 - 1100\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

N-BK7 with NIR I Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with I (600 – 1050nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{avg} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

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N-BK7 with NIR II Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with II (750 - 1550nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{abs} \leq 1.5\%$ @ 750 - 800nm
 $R_{abs} \leq 1.0\%$ @ 800 - 1550nm
 $R_{avg} \leq 0.7\%$ @ 750 - 1550nm

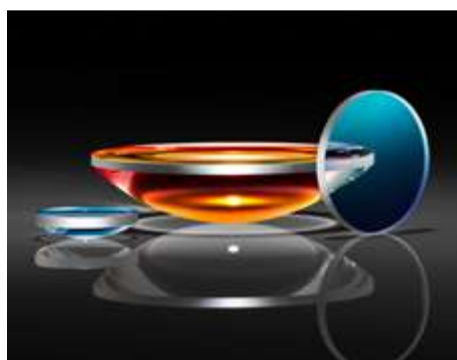
Data outside this range is not guaranteed and is for reference only.

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Related Products



VIS-EXT Coated Double-Convex (DCX) Lenses



UV Fused Silica Plano-Convex (PCX) Lenses - VIS-EXT Coated


















Micro Plano-Convex (PCX) Lenses



Uncoated Plano-Convex (PCX) Lenses

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	C\$29.40 Request Quote	4 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	C\$29.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	C\$45.85 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25mm Thin Inner Single Optic Mount	Fixed		#38-755	C\$57.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	C\$95.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	C\$99.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25mm Thin Inner Pair Optic Mounts	Fixed		#11-052	C\$112.70 Request Quote	5 In Stock <input type="text" value="1"/> 

	Title	Type	Compare	Stock Number	Price	Buy
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MORE+ 	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	C\$138.60 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	C\$142.80 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	C\$386.40 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	C\$756.00 Request Quote	6 In Stock <input type="text" value="1"/> 
MORE+ 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	C\$1,057.00 Request Quote	2 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

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- Technical Tool
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APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

APPLICATION NOTE

Understanding Optical Specifications

APPLICATION NOTE

Lens Geometry Performance Comparison

TECHNICAL TOOL

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