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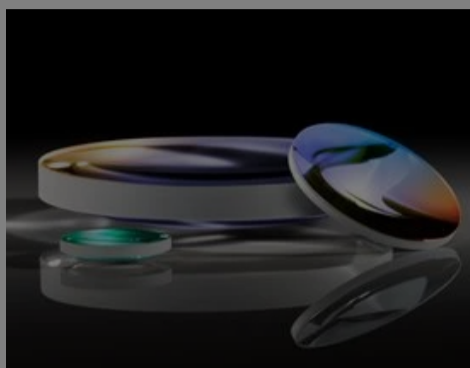
TECHSPEC®

25.0mm Dia. x 7.62mm Thick Plano-Convex Lens

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YAG-BBAR Coated Plano-Convex (PCX) Lenses



Stock #88-896 **2 In Stock** [Other Coating Options](#)

1

€54⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	€54,00 each
Qty 10-24	€48,50 each
Qty 25-49	€43,25 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

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
- [Download All](#)

General

Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm): 25.00 +0.0/-0.025

Centering (arcmin): <1

Center Thickness CT (mm): 3.20 ±0.10

Edge Thickness ET (mm): 3.00

Clear Aperture CA (mm): 24

Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 750.00 @ 587.6nm

Back Focal Length BFL (mm): 747.89

Coating: YAG-BBAR (500-1100nm)

Coating Specification: R_{abs} <0.25% @ 532nm
R_{abs} <0.25% @ 1064nm
R_{avg} <1.0% @ 500 - 1100nm

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): 387.60

(%):

f/#: 30

Numerical Aperture NA: 0.02

Wavelength Range (nm): 500 - 1100

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Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 235: **Compliant**

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](#).

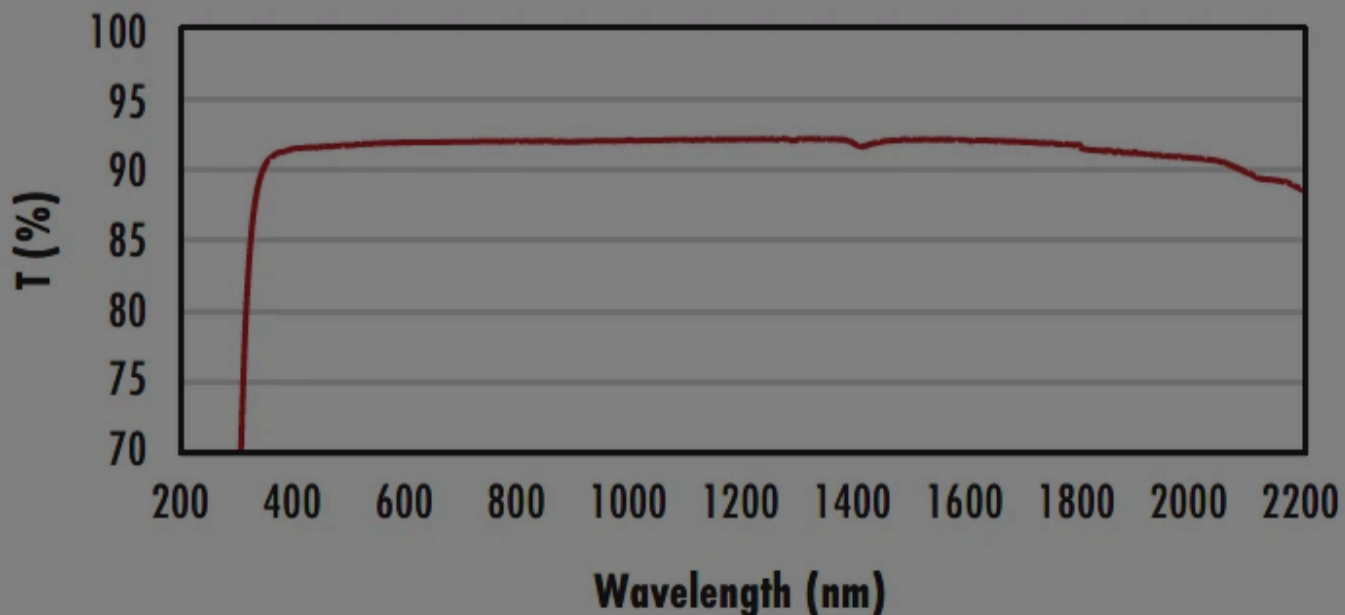
Product Details

- Optimized for $R < 0.25\%$ @ Both 532nm and 1064nm
- AR Coated to Provide $< 1.0\%$ Reflectance per Surface for 500 - 1100nm
- Designed for 0° Angle of Incidence
- Various PCX Coating Options: **Uncoated**, **MgF₂**, **VIS 0°**, **VIS-NIR**, **NIR I**, **NIR II**, and **VIS-EXT**

TECHSPEC® YAG-BBAR 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® YAG-BBAR 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 **VIS-EXT**.

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



Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

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Typical transmission of a 3mm thick N-BK7 window with 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.

[Click Here to Download Data](#)

N-BK7 with VIS-EXT Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with 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.

[Click Here to Download Data](#)

N-BK7 with VIS-NIR Coating Typical Transmission



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

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

$$\begin{aligned} R_{abs} &\leq 0.25\% \text{ @ } 880\text{nm} \\ R_{avg} &\leq 1.25\% \text{ @ } 400 - 870\text{nm} \\ R_{avg} &\leq 1.25\% \text{ @ } 890 - 1000\text{nm} \end{aligned}$$

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 VIS 0° (425-675nm) coating at 0° AOI.

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

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

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

[Click Here to Download Data](#)

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:

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

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

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

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 NIR I (600 - 1050nm) coating at 0° AOI.

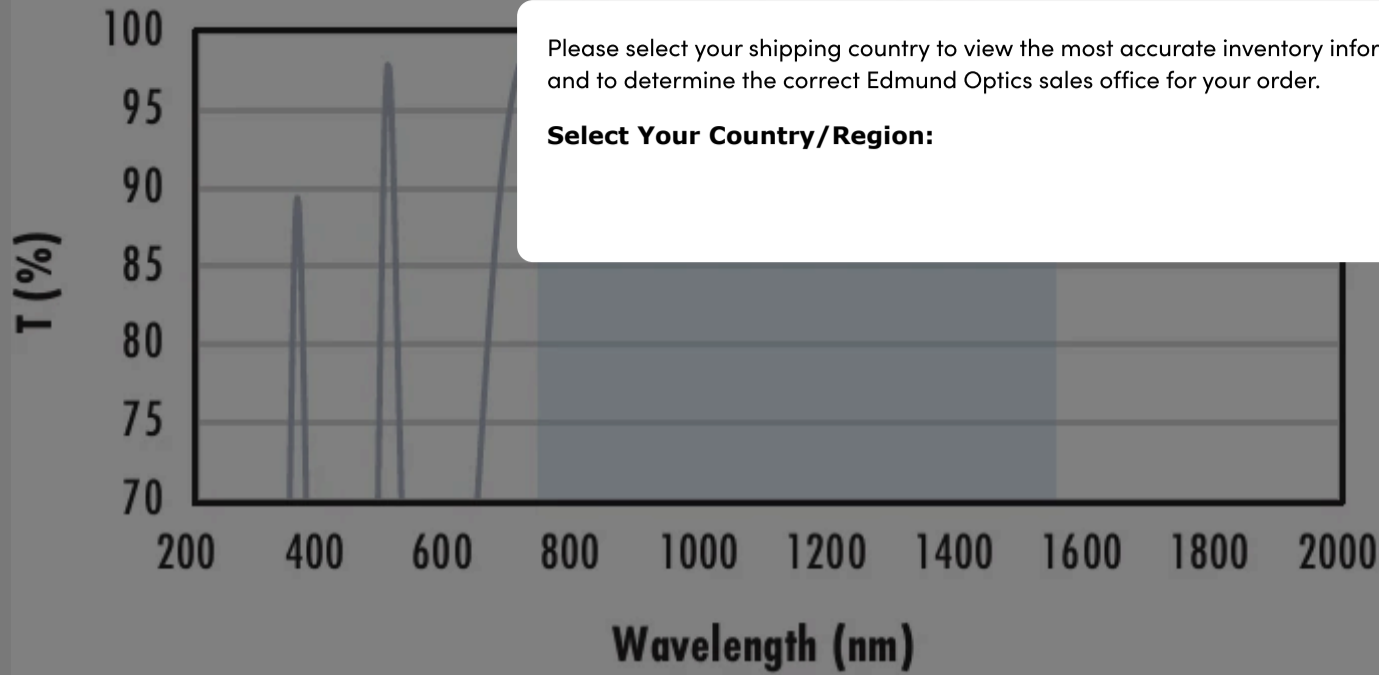
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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

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N-BK7 with NIR II Coating Typical Transmission



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Select Your Country/Region:

Typical transmission of a 3mm thick N-BK7 window with NIR 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

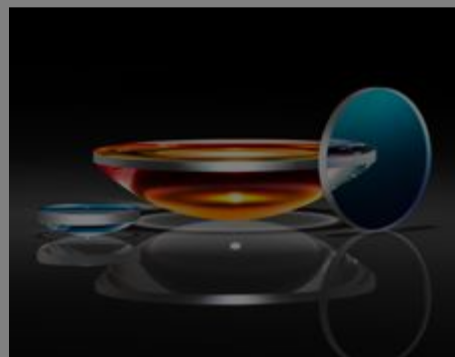
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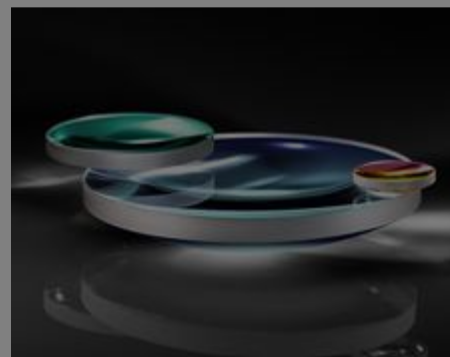
Related Products



Optical Lenses



UV Fused Silica Plano-Convex (PCX) Lenses - YAG-BBAR Coated



Laser Lenses



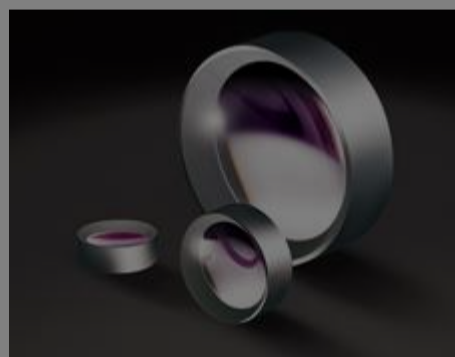
YAG-BBAR Coated Double-Convex (DCX) Lenses

Frequently Purchased Together



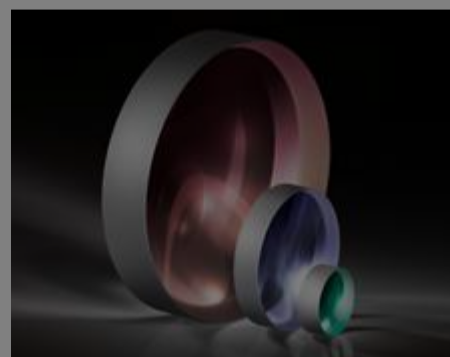
#34-185 - 25.0mm Dia. x 400.0mm FL, YAG-BBAR Coated, Plano-Convex Lens
€54,00

Qty



#45-029 - 25.0mm Diameter x -50 FL, MgF₂ Coated, Plano-Concave Lens
€44,25

Qty



#45-919 - 20mm Diameter x -30 FL, VIS-NIR Coated, Plano-Concave Lens
€53,50

Qty

















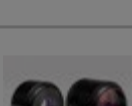





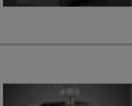

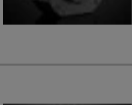





#45-932 - 25mm Dia. x -100mm FL, VIS-NIR Coated, Double-Concave Lens
€56,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	14 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	 25.0/25.4mm Optic Dia., Thin Mount				€21,00	20+ In Stock <input type="text" value="1"/> 
MORE+	 25.0mm Optic Mount					3 In Stock <input type="text" value="1"/> 
MORE+	 25mm Thin Inner Single Optic Mount	Fixed		#38-755	€41,00 Request Quote	14 In Stock <input type="text" value="1"/> 
MORE+	 30mm Cage 25/25.4mm Diameter Lens Mount	Fixed		#85-587	€43,50 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 30mm Cage 25/25.4mm Diameter Thick Lens Mount	Fixed		#85-588	€45,75 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 25/30mm Cage 25mm Diameter Lens Mount	Fixed		#85-678	€45,75 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+	 25/25.4mm Diameter, T-Mount Thin Optic Mount	Fixed		#52-292	€72,00 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+	 25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	€80,50 Request Quote	5 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 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	€276,00 Request Quote	2 In Stock <input type="text" value="1"/> 
MORE+	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 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	€755,00 Request Quote	2 In Stock <input type="text" value="1"/> 

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

Resources

Media Type

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

APPLICATION NOTE

Understanding Optical Specifications

- Application Note
- Technical Tool
- Trending in Optics
- FAQ
- Glossary
- Video

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Comparison

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Future of
Spherical
Lenses

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