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# TECHSPEC® 10.0mm Diameter x 75.0mm FL, 405nm V-Coat, PCX Lens



Stock #69-335 **1 In Stock** [Other Coating Options](#)

1 **MRP ₹5,095**

Price inclusive of all taxes

**ADD TO CART**

633nm Laser Line Coated Plano-Convex (PCX) Lenses



Volume Pricing	
Qty 1-9	₹5,095 each
Qty 10-25	₹4,590 each
Qty 26-49	₹4,086 each
Need More?	<a href="#">Request Quote</a>

**Product Downloads**

- STEP:stp
- Curve:pdf
- PDF Drawing:pdf
- ISO 10110 Drawing
- IGES:igs
- Zemax:zar
- Zemax:zip
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
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General			
<b>Type:</b>	Plano-Convex Lens		
Physical & Mechanical Properties			
<b>Diameter (mm):</b>	10.00 +0.0/-0.025	<b>Centering (arcmin):</b>	<1
<b>Center Thickness CT (mm):</b>	3.00 ±0.05	<b>Edge Thickness ET (mm):</b>	2.68
<b>Clear Aperture CA (mm):</b>	9	<b>Bevel:</b>	Protective as needed
Optical Properties			
<b>Effective Focal Length EFL (mm):</b>	75.00 @ 587.6nm	<b>Back Focal Length BFL (mm):</b>	73.02
<b>Coating:</b>	Laser V-Coat (405nm)	<b>Coating Specification:</b>	R <sub>abs</sub> <0.25% @ 405nm
<b>Substrate:</b>	<a href="#">N-BK7</a>	<b>Surface Quality:</b>	40-20
<b>Power (P-V) @ 632.8nm:</b>	1.5λ	<b>Irregularity (P-V) @ 632.8nm:</b>	λ/4
<b>Focal Length Tolerance (%):</b>	±1	<b>Radius R<sub>1</sub> (mm):</b>	38.76
<b>f/#:</b>	7.5	<b>Numerical Aperture NA:</b>	0.07
<b>Design Wavelength DWL (nm):</b>	405	<b>Damage Threshold, By Design:</b>	3 J/cm <sup>2</sup> @ 405nm, 10ns

## Regulatory Compliance

RoHS 2015: <b>Compliant</b>	Certificate of Conformance: <b>View</b>
Reach 235: <b>Compliant</b>	
Country of Origin: Japan	Imported By: Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

## 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

- <0.25% Reflection at 405nm for Diode Applications
- BBAR Coating Options Also Available: [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- 405nm, [532nm](#), [633nm](#), [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

TECHSPEC® 405nm Laser Line Coated Plano-Convex (PCX) Lenses are designed for maximum throughput at the specified laser wavelength. These lenses are ideal for collecting and focusing light from laser sources and their corresponding harmonics. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components. TECHSPEC® 405nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [532nm](#), [633nm](#), [785nm](#), [980nm](#), [1064nm](#), and [1550nm](#). Other coating options are available, including [uncoated](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).



## Technical Information

## Related Products



Laser Lenses



Plano-Convex (PCX) Lenses



Laser Optics



Laser Sources

## Frequently Purchased Together



#69-330 - 10.0mm Diameter x 20.0mm FL, 405nm V-Coat, PCX Lens  
₹5,095

 


#69-334 - 10.0mm Diameter x 50.0mm FL, 405nm V-Coat, PCX Lens  
₹5,095

 


#69-336 - 10.0mm Diameter x 100.0mm FL, 405nm V-Coat, PCX Lens  
₹5,095

 

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	10.0mm Optic Dia., Optic Mount	Fixed		#64-554	₹3,305 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	10mm Diameter, S-Mount Thick Optic Mount	Fixed		#63-951	₹4,112 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	10mm Inner Single Optic Mount	Fixed		#38-748	₹4,137 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	25mm Cage 10mm Diameter Lens Mount	Fixed		#85-551	₹4,616 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<a href="#">MORE+</a>	10mm Diameter, C-Mount Thick Optic Mount	Fixed		#63-980	₹5,701 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

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

## Resources

### Media Type

- Application Note
- Technical Tool
- Video
- FAQ
- Trending in Optics
- Glossary
- Scientific Paper
- Published Article

**APPLICATION NOTE**

An Introduction to Optical Coatings

**TECHNICAL TOOL**

Gaussian Beams Calculator

**VIDEO**

Polarization Directed Flat Lenses Product Review

**FAQ**

**TRENDING IN OPTICS**

**APPLICATION NOTE**

What is the best lens for focusing or collimating th...

Free-Space Optical Communication

Common Laser Optics Materials

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