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TECHSPEC® 12.0mm Diameter x 42.0mm FL, 1064nm V-Coat, PCX Lens



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



Stock #69-612 **14 In Stock**

[Other Coating Options](#)

1 MRP ₹5,348

Price inclusive of all taxes

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-9 | ₹5,348 each |
| Qty 10-25 | ₹4,818 each |
| Qty 26-49 | ₹4,263 each |
| Need More? | Request Quote |

Product Downloads

General

Plano-Convex Lens **Type:**

Physical & Mechanical Properties

| | |
|----------------------|----------------------------------|
| 12.00 +0.0/-0.025 | Diameter (mm): |
| <1 | Centering (arcmin): |
| 2.70 ±0.05 | Center Thickness CT (mm): |
| 1.85 | Edge Thickness ET (mm): |
| 11 | Clear Aperture CA (mm): |
| Protective as needed | Bevel: |

Optical Properties

| | |
|------------------------------------|--|
| 42.00 @ 587.6nm | Effective Focal Length EFL (mm): |
| 40.22 | Back Focal Length BFL (mm): |
| Laser V-Coat (1064nm) | Coating: |
| R _{abs} <0.25% @ 1064nm | 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 (%): |
| 21.71 | Radius R₁ (mm): |
| 3.5 | f#: |
| 0.14 | Numerical Aperture NA: |
| 1064 | Design Wavelength DWL (nm): |
| 5 J/cm ² @ 1064nm, 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 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000 | 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

- <0.25% Reflection at 1064nm for Fiber and Nd:YAG Applications

- BBAR Coating Options Also Available: [uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- [405nm](#), [532nm](#), [633nm](#), [785nm](#), [980nm](#), 1064nm, and [1550nm](#) V-Coated Options Offered

TECHSPEC® 1064nm 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® 1064nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [532nm](#), [633nm](#), [785nm](#), [980nm](#), and [1550nm](#). Other coating options are available, including [uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#).



Technical Information



Compatible Mounts