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**TECHSPEC® 12.0mm Diameter x 18.0mm FL, 785nm V-Coat, PCX Lens**



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



Stock **#66-265 7 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ ₹3,854

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Volume Pricing	
Qty 1-9	₹3,854 each
Qty 10-25	₹3,484 each
Qty 26-49	₹3,075 each
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Product Downloads

**General**

Plano-Convex Lens **Type:**

**Physical & Mechanical Properties**

**Diameter (mm):**

12.00 +0.0/-0.025

Centering (arcmin):  
<1

Center Thickness CT (mm):  
3.00 ±0.05

Edge Thickness ET (mm):  
1.41

Clear Aperture CA (mm):  
11

Bevel:  
Protective as needed

## Optical Properties

Effective Focal Length EFL (mm):  
18.00 @ 587.6nm

Back Focal Length BFL (mm):  
16.22

Coating:  
Laser V-Coat (785nm)

Coating Specification:  
R<sub>abs</sub> <0.25% @ 785nm

Substrate:   
N-SF5

Surface Quality:  
40-20

Power (P-V) @ 632.8nm:  
1.5λ

Irregularity (P-V) @ 632.8nm:  
λ/4

Focal Length Tolerance (%):  
±1

Radius R<sub>1</sub> (mm):  
12.11

f##:  
1.5

Numerical Aperture NA:  
0.33

Design Wavelength DWL (nm):  
785

Damage Threshold, By Design:   
5 J/cm<sup>2</sup> @ 785nm, 10ns

## Regulatory Compliance

RoHS 2015:  
Compliant

Certificate of Conformance:  
View

Reach 235:  
Compliant

Country of Origin:  
Japan

Imported By:  
Edmund Optics India Private Limited

## Custom

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

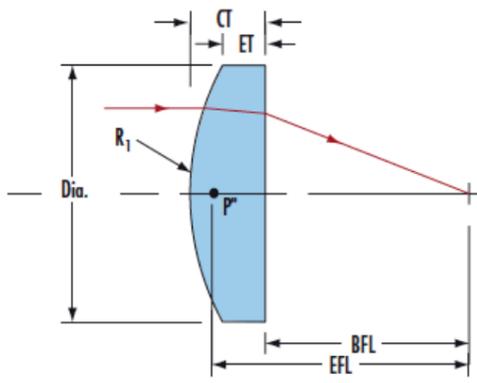
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- <0.25% Reflection at 785nm
- 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® 785nm 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® 785nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: [405nm](#), [532nm](#), [633nm](#), [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



## Coating Curves

## Compatible Mounts

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