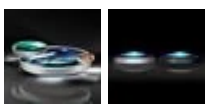
TECHSPEC®

30.0mm Diameter x 100.0mm FL 1064nm V-Coat, PCX Lens

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



Stock #26-163 **4 In Stock**

Other Coating Options

- 1 +

MRP ₹6,659

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-9	₹6,659 each
Qty 10-25	₹6,003 each
Qty 26-49	₹5,297 each
Need More?	Request Quote

Product Downloads

STEP:step | PDF Drawing:pdf

ISO 10110 Drawing

IGES:igs | Zemax:zar

Zemax:zmx | eDrawing:eprt

Code V:seq | EO Spec Sheet

Download All

General

Type:	Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	30.00 +0.0/-0.025	**Centering (arcmin):**	<1
Center Thickness CT (mm):	6.00 ±0.10	**Edge Thickness ET (mm):**	3.78
Clear Aperture CA (mm):	29	**Bevel:**	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	100.00 @ 587.6nm	**Back Focal Length BFL (mm):**	96.01
Coating:	Laser V-Coat (1064nm)	**Coating Specification:**	R_{abs} <0.25% @ 1064nm
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 R_1 (mm):**	51.68
f/#:	3.33	**Numerical Aperture NA:**	0.15
Design Wavelength DWL (nm):	1064	**Damage Threshold, By Design:** ⓘ	5 J/cm^2 @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015:	**Compliant**	**Certificate of Conformance:**	**View**
Reach 235:	**Compliant**		
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

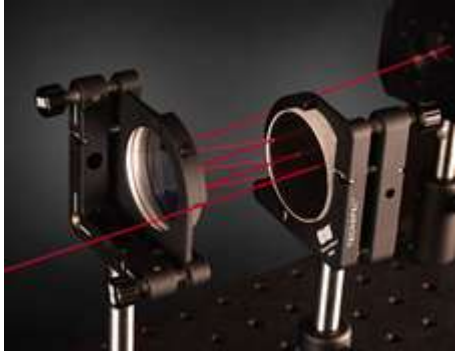
- <0.25% Reflection at 1064nm for Fiber and Nd:YAG Applications
- BBAR Coating Options Also Available: **uncoated**, **MgF_2**, **VIS 0°**, **VIS-NIR**, **NIR I**, **NIR II**
- **405nm**, **532nm**, **633nm**, **785nm**, **980nm**, 1064nm, and **1550nm** V-Coated Options Offered

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

Related Products

Laser Sources



Laser Optics

Laser Grade Plano-Convex (PCX) Lenses

1064nm Laser Line Coated Fused Silica PCX Lenses

Frequently Purchased Together

#49-194 - 25mm Dia. Protected Silver, λ/4 Mirror
₹9,736

Qty

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

TRENDING IN OPTICS
Free-Space Optical Communication

APPLICATION NOTE
Common Laser Optics Materials

View More

;