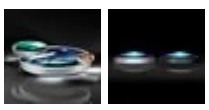
TECHSPEC®

25.0mm Diameter x 750.0mm FL, 633nm V-Coat, PCX Lens

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



Stock #69-455 3 In Stock

Other Coating Options

- 1 +

MRP ₹5,953

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-9	₹5,953 each
Qty 10-25	₹5,397 each
Qty 26-49	₹4,767 each
Need More?	Request Quote

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 | 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:	Laser V-Coat (633nm)	**Coating Specification:**	R_{abs} <0.25% @ 633nm
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):**	387.60
f/#:	30.00	**Numerical Aperture NA:**	0.02
Design Wavelength DWL (nm):	633	**Damage Threshold, By Design:** ⓘ	5 J/cm^2 @ 633nm, 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 633nm for HeNe 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® 633nm 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 ® 633nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: **405nm**, **532nm**, **785nm**, **980nm**, **1064nm**, and **1550nm**. Other coating options are available, including **uncoated**, **MgF2**, **VIS 0°**, **VIS-NIR**, **NIR I**, and **NIR II**.

Technical Information

Related Products

Laser Optics

Laser Sources

Arcturus® HeNe Beam Expanders

633nm Laser Line Coated Fused Silica PCX Lenses

Compatible Mounts

	Title	Type	Compare	Stock Number	Price ☐	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	₹2,119 Request Quote	2 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	₹2,119 Request Quote	CONTACT US 1
MORE+ 	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	₹3,305 Request Quote	CONTACT US 1
MORE+ 	25mm Thin Inner Single Optic Mount	Fixed		#38-755	₹4,137 Request Quote	5 In Stock 1
MORE+ 	30mm Cage 25/25.4mm Diameter Lens Mount	Fixed		#85-587	₹4,388 Request Quote	20+ In Stock 1
MORE+ 	30mm Cage 25/25.4mm Diameter Thick Lens Mount	Fixed		#85-588	₹4,616 Request Quote	20+ In Stock 1
MORE+ 	25/30mm Cage 25mm Diameter Lens Mount	Fixed		#85-678	₹4,616 Request Quote	3 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	₹6,861 Request Quote	9 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	₹7,164 Request Quote	CONTACT US 1
MORE+ 	25/25.4mm Diameter, T-Mount Thin Optic Mount	Fixed		#52-292	₹7,264 Request Quote	CONTACT US 1
MORE+ 	25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	₹8,122 Request Quote	11 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	₹10,291 Request Quote	CONTACT US 1
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	₹27,846 Request Quote	CONTACT US 1
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	₹54,481 Request Quote	6 In Stock 1

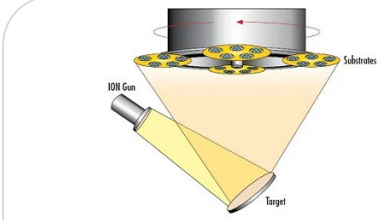
	Title	Type	Compare	Stock Number	Price ☐	Buy
MORE+ 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	₹76,173 Request Quote	2 In Stock 1

Check out our full selection of mounts **here**.

Resources

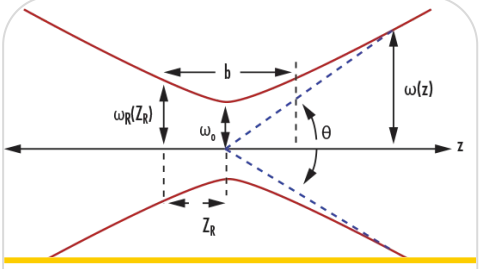
Media Type

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



APPLICATION NOTE

An Introduction to Optical Coatings

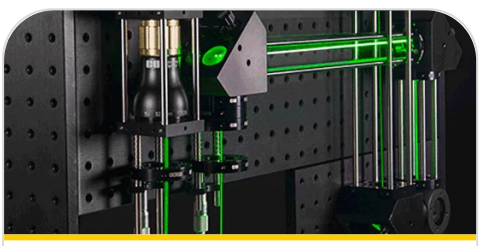


TECHNICAL TOOL

Gaussian Beams Calculator

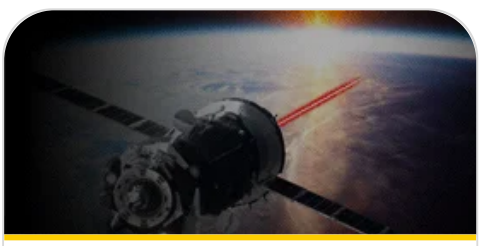
VIDEO

Polarization Directed Flat Lenses Product Review



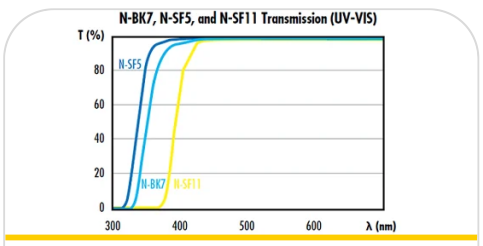
? FAQ

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

;