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TECHSPEC® 20.0mm Diameter x 150.0mm FL, 1550nm V-Coat, PCX Lens

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

Stock **#89-064** **8 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

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
20.00 +0.0/-0.025

Centering (arcmin):
<1

Center Thickness CT (mm):
3.00 ±0.10

Edge Thickness ET (mm):
2.35

Clear Aperture CA (mm):
19

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
150.00 @ 587.6nm

Back Focal Length BFL (mm):
148.02

Coating:
Laser V-Coat (1550nm)

Coating Specification:
R_{abs} <0.25% @ 1550nm

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):
77.52

f/#:
7.5

Numerical Aperture NA:
0.07

Design Wavelength DWL (nm):
1550

Damage Threshold, By Design:
5 J/cm^2 @ 1550nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

Country of Origin:
Japan

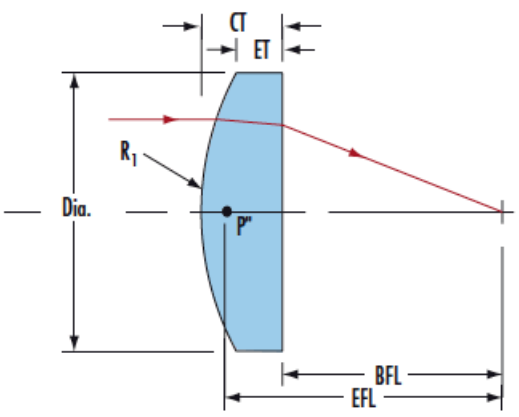
Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- <0.25% Reflection at Design Wavelength
- Coatings Available for Diode, HeNe, and Nd:YAG Laser Sources
- 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® 1550nm 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 ® 1550nm Laser Line Coated Plano-Convex (PCX) Lenses are available Laser V-Coated in a range of other wavelengths: **405nm**, **532nm**, **633nm**, **785nm**, **980nm**, and **1064nm**. Other coating options are available, including **uncoated**, **MgF2**, **VIS 0°**, **VIS-NIR**, **NIR I**, and **NIR II**.

Technical Information



Compatible Mounts

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