

TECHSPEC®

12.7mm Dia. x 250mm FL, 532nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#38-717** **4 In Stock**

☐ [Other Coating Options](#)

-

1

+

£166<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £166.40 each                  |
| Qty 6-25       | £132.80 each                  |
| Qty 26-49      | £122.40 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

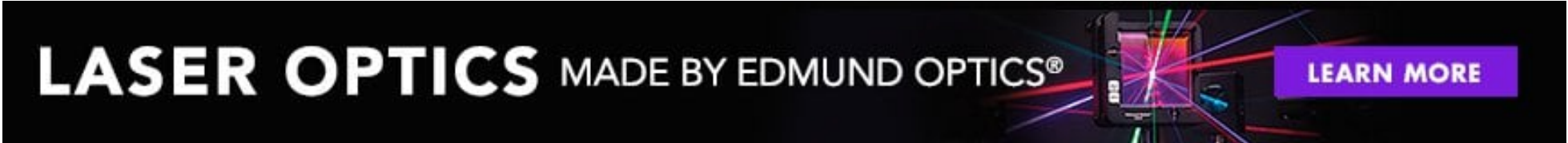
Type:

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Plano-Convex Lens                |                                                       |
| Physical & Mechanical Properties |                                                       |
| 12.70 +0.00/-0.025               | Diameter (mm):                                        |
| <1                               | Centering (arcmin):                                   |
| 4.00 ±0.10                       | Center Thickness CT (mm):                             |
| 3.83                             | Edge Thickness ET (mm):                               |
| 11.43                            | Clear Aperture CA (mm):                               |
| Protective as needed             | Bevel:                                                |
| Optical Properties               |                                                       |
| 250.00 @ 355nm                   | Effective Focal Length EFL (mm):                      |
| 247.36                           | Back Focal Length BFL (mm):                           |
| Laser V-Coat (532nm)             | Coating:                                              |
| R <sub>abs</sub> <0.25% @ 532nm  | Coating Specification:                                |
| Fused Silica (Corning 7980)      | Substrate: <input type="checkbox"/>                   |
| 10-5                             | Surface Quality:                                      |
| λ                                | Power (P-V) @ 632.8nm:                                |
| λ/10                             | Irregularity (P-V) @ 632.8nm:                         |
| ±1                               | Focal Length Tolerance (%):                           |
| 119.02                           | Radius R <sub>1</sub> (mm):                           |
| 19.69                            | f/#:                                                  |
| 0.03                             | Numerical Aperture NA:                                |
| 532                              | Design Wavelength DWL (nm):                           |
| 10 J/cm² @ 532nm, 20ns, 20Hz     | Damage Threshold, By Design: <input type="checkbox"/> |
| Regulatory Compliance            |                                                       |
| <a href="#">View</a>             | Certificate of Conformance:                           |

## PRODUCT DETAILS

- Guaranteed Laser Damage Threshold
- 10-5 Surface Quality
- λ/10 Surface Accuracy

TECHSPEC® Laser Grade PCXLenses are designed for high energy Nd:YAG laser applications including laser cutting, machining, and welding. The precision fused silica substrate, featuring λ/10 surface accuracy and 10-5 surface quality, ensures low scatter and excellent transmitted wavefront performance. TECHSPEC® Laser Grade PCXLenses are available uncoated or with a variety of high laser damage threshold anti-reflection (AR) coating options. Coatings are available at the most common Nd:YAG laser wavelengths to ensure maximum laser throughput.



## TECHNICAL INFORMATION



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](#).

## COMPATIBLE MOUNTS

