

TECHSPEC[®] 6mm Diameter x 18mm FL, 532nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCXLenses

Stock **#87-937** 13 In Stock

☐ [Other Coating Options](#)

-

1

+

£151²⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£151.20 each
Qty 6-25	£121.60 each
Qty 26-49	£111.20 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Plano-Convex Lens	
Physical & Mechanical Properties	
6.00 +0.00/-0.05	Diameter (mm):
<1	Centering (arcmin):
2.00 ±0.05	Center Thickness CT (mm):
1.44	Edge Thickness ET (mm):
5.4	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
18.00 @ 587.6nm	Effective Focal Length EFL (mm):
16.62	Back Focal Length BFL (mm):
Laser V-Coat (532nm)	Coating:
R _{abs} <0.25% @ 532nm	Coating Specification:
Fused Silica (Corning 7980)	Substrate:
20-10	Surface Quality:
λ	Power (P-V) @ 632.8nm:
λ/10	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
8.25	Radius R ₁ (mm):
3.00	f/#:
0.17	Numerical Aperture NA:
532	Design Wavelength DWL (nm):
10 J/cm ² @ 532nm, 20ns, 20Hz	Damage Threshold, By Design:
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	REACH 201:
View	Certificate of Conformance:

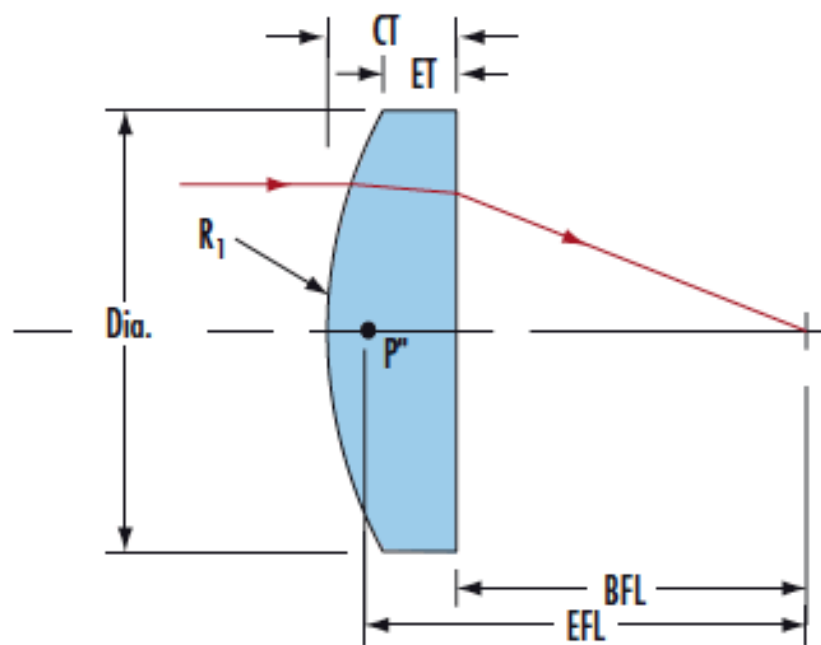
PRODUCT DETAILS

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

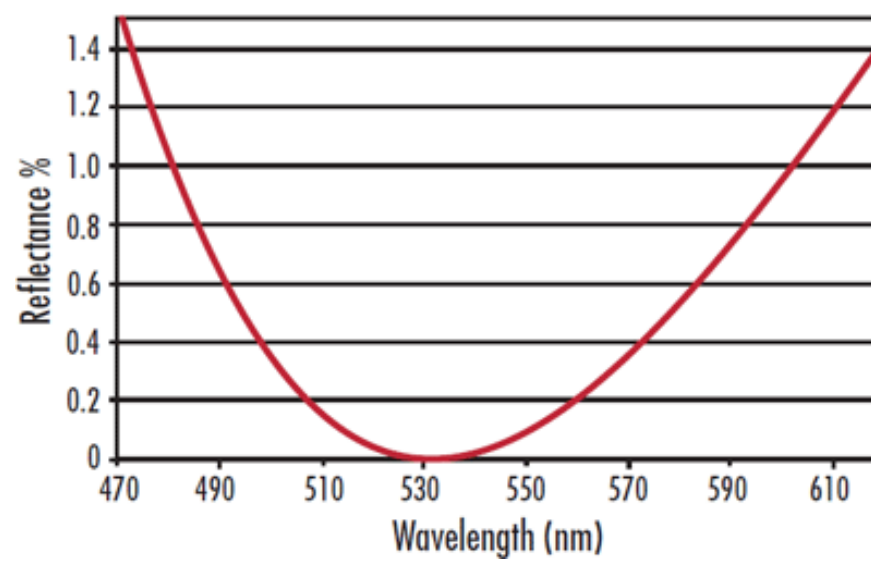
TECHSPEC® Laser Grade PCX Lenses are designed for high energy Nd:YAG laser applications including laser cutting, machining, and welding. The precision fused silica substrate, featuring λ/10 surface accuracy and 10-5 surface quality, ensures low scatter and excellent transmitted wavefront performance. TECHSPEC® Laser Grade PCX Lenses 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



532nm V-Coat
 $R_{(abs)} < 0.25\% @ 532nm$



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