

[All Products](#) / 
 [Optics](#) / 
 [Optical Lenses](#) / 
 [Plano-Convex \(PCX\) Lenses](#) / 
 [Fused Silica Plano-Convex \(PCX\) Lenses](#)

**TECHSPEC®**

## 785nm Laser Line Coated Fused Silica PCX Lenses



- <0.25% Reflection at 785nm
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [532nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

### Common Specifications

#### Physical & Mechanical Properties

Bevel: Protective as needed

#### Optical Properties

Substrate: [Fused Silica](#)

|                                  |              |                                |                                          |
|----------------------------------|--------------|--------------------------------|------------------------------------------|
| Coating:                         | 785nm V-Coat | Coating Specification:         | $R_{\text{abs}} < 0.25\% @ 785\text{nm}$ |
| Design Wavelength<br>DWL (nm):   | 785          | Focal Length Tolerance<br>(%): | $\pm 1$                                  |
| Surface Quality:                 | 40-20        | Power (P-V) @ 632.8nm:         | $1.5\lambda$                             |
| Irregularity (P-V) @<br>632.8nm: | $\lambda/4$  |                                |                                          |

## Technical Information

## Products

| Dia.<br>(mm) | EFL<br>(mm) | BFL<br>(mm) | Coating      | Substrate                    | Stock<br>Number         | Price                                     | Buy          |
|--------------|-------------|-------------|--------------|------------------------------|-------------------------|-------------------------------------------|--------------|
| 5.00         | 10.00       | 8.63        | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-895</a> | £120.82<br><a href="#">Volume Pricing</a> | 20+ In Stock |
| 5.00         | 15.00       | 13.83       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-896</a> | £113.82<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 5.00         | 20.00       | 18.97       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-897</a> | £113.82<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 5.00         | 25.00       | 23.97       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-898</a> | £113.82<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 6.00         | 12.00       | 10.63       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-899</a> | £123.45<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 6.00         | 21.00       | 19.63       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-900</a> | £118.19<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 6.00         | 24.00       | 22.63       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-901</a> | £118.19<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 6.00         | 36.00       | 34.63       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-902</a> | £118.19<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 9.00         | 12.00       | 9.26        | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-903</a> | £125.20<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 9.00         | 18.00       | 15.94       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-904</a> | £125.20<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 9.00         | 27.00       | 25.63       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-905</a> | £120.82<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 9.00         | 36.00       | 34.63       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-906</a> | £120.82<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 12.00        | 18.00       | 15.26       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-907</a> | £127.82<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 12.00        | 25.00       | 22.31       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-908</a> | £127.82<br><a href="#">Volume Pricing</a> | 4 In Stock   |
| 12.00        | 30.00       | 27.56       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-909</a> | £123.45<br><a href="#">Volume Pricing</a> | 5 In Stock   |
| 12.00        | 36.00       | 34.29       | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-910</a> | £123.45<br><a href="#">Volume Pricing</a> | 4 In Stock   |

|       |        |        |              |                              |                         |                                           |            |
|-------|--------|--------|--------------|------------------------------|-------------------------|-------------------------------------------|------------|
| 12.00 | 50.00  | 48.01  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-911</a> | £116.44<br><a href="#">Volume Pricing</a> | 9 In Stock |
| 12.00 | 100.00 | 98.33  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-912</a> | £116.44<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 25.00 | 38.00  | 33.03  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-913</a> | £144.46<br><a href="#">Volume Pricing</a> | 2 In Stock |
| 25.00 | 50.00  | 46.00  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-914</a> | £144.46<br><a href="#">Volume Pricing</a> | 4 In Stock |
| 25.00 | 60.00  | 56.92  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-915</a> | £140.08<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 25.00 | 75.00  | 71.96  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-916</a> | £140.08<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 25.00 | 100.00 | 97.40  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-917</a> | £140.08<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 25.00 | 125.00 | 122.65 | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-918</a> | £133.08<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 25.00 | 150.00 | 147.82 | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-919</a> | £133.08<br><a href="#">Volume Pricing</a> | 3 In Stock |
| 25.00 | 200.00 | 198.02 | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-920</a> | £133.08<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 50.00 | 75.00  | 66.43  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-921</a> | £270.53<br><a href="#">Volume Pricing</a> | 4 In Stock |
| 50.00 | 100.00 | 93.84  | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-922</a> | £270.53<br><a href="#">Volume Pricing</a> | 4 In Stock |
| 50.00 | 150.00 | 145.20 | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-923</a> | £266.15<br><a href="#">Volume Pricing</a> | 4 In Stock |
| 50.00 | 200.00 | 195.19 | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-924</a> | £266.15<br><a href="#">Volume Pricing</a> | 5 In Stock |
| 50.00 | 250.00 | 245.21 | 785nm V-Coat | <a href="#">Fused Silica</a> | <a href="#">#25-925</a> | £266.15<br><a href="#">Volume Pricing</a> | 5 In Stock |



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

[www.edmundoptics.com](http://www.edmundoptics.com)