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TECHSPEC®

1550nm Laser Line Coated Fused Silica PCX Lenses



- <0.25% Reflection at 1550nm
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [532nm](#), [633nm](#), and [1064nm](#) V-Coated Options Offered

Common Specifications

Physical & Mechanical Properties

Centering (arcmin):	≤1	Bevel:	Protective as needed
Edges:	Fine Ground, Protective Bevel as Needed		

Optical Properties

Coating:	Laser V-Coat (1550nm)		
Coating Specification:	$R_{\text{abs}} < 0.25\% @ 1550\text{nm}$	Substrate:	Fused Silica (Corning 7980)
Surface Quality:	40-20	Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4	Focal Length Tolerance (%):	±1
Design Wavelength DWL (nm):	587.6	Damage Threshold, By Design:	5 J/cm ² @ 1550nm, 10ns

Technical Information

Products

Dia. (mm)	EFL (mm)	BFL (mm)	Coating	Substrate	Stock Number	Price	Buy
5.00	10.00	8.63	Laser V-Coat (1550nm)	Fused Silica	#34-152	£120.82 Volume Pricing	1 In Stock
5.00	15.00	13.83	Laser V-Coat (1550nm)	Fused Silica	#34-153	£113.82 Volume Pricing	20+ In Stock
5.00	20.00	18.97	Laser V-Coat (1550nm)	Fused Silica	#34-154	£113.82 Volume Pricing	6 In Stock
5.00	25.00	23.97	Laser V-Coat (1550nm)	Fused Silica	#34-155	£113.82 Volume Pricing	14 In Stock
6.00	12.00	10.63	Laser V-Coat (1550nm)	Fused Silica	#25-887	£119.94 Volume Pricing	9 In Stock
6.00	21.00	19.63	Laser V-Coat (1550nm)	Fused Silica	#25-888	£115.57 Volume Pricing	5 In Stock
6.00	24.00	22.63	Laser V-Coat (1550nm)	Fused Silica	#25-889	£115.57 Volume Pricing	5 In Stock
6.00	36.00	34.63	Laser V-Coat (1550nm)	Fused Silica	#25-890	£115.57 Volume Pricing	9 In Stock
9.00	12.00	9.26	Laser V-Coat (1550nm)	Fused Silica	#25-891	£122.57 Volume Pricing	5 In Stock
9.00	18.00	15.94	Laser V-Coat (1550nm)	Fused Silica	#25-892	£122.57 Volume Pricing	9 In Stock
9.00	27.00	25.63	Laser V-Coat (1550nm)	Fused Silica	#25-893	£118.19 Volume Pricing	3 In Stock
9.00	36.00	34.63	Laser V-Coat (1550nm)	Fused Silica	#25-894	£118.19 Volume Pricing	3 In Stock

12.00	18.00	15.26	Laser V-Coat (1550nm)	Fused Silica	#34-156	£127.82 Volume Pricing	5 In Stock
12.00	25.00	22.31	Laser V-Coat (1550nm)	Fused Silica	#34-157	£127.82 Volume Pricing	20+ In Stock
12.00	30.00	27.56	Laser V-Coat (1550nm)	Fused Silica	#34-158	£123.45 Volume Pricing	2 In Stock
12.00	36.00	34.29	Laser V-Coat (1550nm)	Fused Silica	#34-159	£123.45 Volume Pricing	13 In Stock
12.00	50.00	48.01	Laser V-Coat (1550nm)	Fused Silica	#34-160	£116.44 Volume Pricing	9 In Stock
12.00	100.00	98.33	Laser V-Coat (1550nm)	Fused Silica	#34-161	£116.44 Volume Pricing	Contact Us
25.00	38.00	33.03	Laser V-Coat (1550nm)	Fused Silica	#34-162	£144.46 Volume Pricing	15 In Stock
25.00	50.00	46.00	Laser V-Coat (1550nm)	Fused Silica	#34-163	£144.46 Volume Pricing	14 In Stock
25.00	60.00	56.92	Laser V-Coat (1550nm)	Fused Silica	#34-164	£140.08 Volume Pricing	3 In Stock
25.00	75.00	71.96	Laser V-Coat (1550nm)	Fused Silica	#34-165	£140.08 Volume Pricing	3 In Stock
25.00	100.00	97.40	Laser V-Coat (1550nm)	Fused Silica	#34-166	£140.08 Volume Pricing	12 In Stock
25.00	125.00	122.65	Laser V-Coat (1550nm)	Fused Silica	#34-167	£133.08 Volume Pricing	15 In Stock
25.00	150.00	147.86	Laser V-Coat (1550nm)	Fused Silica	#34-168	£133.08 Volume Pricing	6 In Stock
25.00	200.00	198.02	Laser V-Coat (1550nm)	Fused Silica	#34-169	£133.08 Volume Pricing	3 In Stock

50.00	75.00	66.43	Laser V-Coat (1550nm)	Fused Silica	#34-170	£270.53 Volume Pricing	3 In Stock
50.00	100.00	93.84	Laser V-Coat (1550nm)	Fused Silica	#34-171	£270.53 Volume Pricing	3 In Stock
50.00	150.00	145.20	Laser V-Coat (1550nm)	Fused Silica	#34-172	£266.15 Volume Pricing	Contact Us
50.00	200.00	195.19	Laser V-Coat (1550nm)	Fused Silica	#34-173	£266.15 Volume Pricing	2 In Stock
50.00	250.00	245.21	Laser V-Coat (1550nm)	Fused Silica	#34-174	£266.15 Volume Pricing	3 In Stock



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