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TECHSPEC®

1550nm Laser Line Coated Plano-Convex (PCX) Lenses



- <0.25% Reflection at Design Wavelength
- Coatings Available for Diode, HeNe, and Nd:YAG Laser Sources
- BBAR Coating Options Also Available: [uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), [NIR II](#)
- [405nm](#), [532nm](#), [633nm](#), [785nm](#), [980nm](#), [1064nm](#), and 1550nm V-Coated Options Offered

Common Specifications

Physical & Mechanical Properties

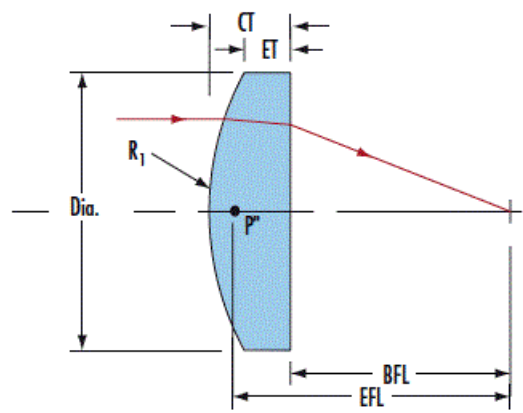
Bevel: Protective as needed

Optical Properties

Coating: Laser V-Coat (1550nm)

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):	1550	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	7.50	6.43	Laser V-Coat (1550nm)	N-SF11	#89-048	€56,14 Volume Pricing	20+ In Stock
5.00	10.00	8.92	Laser V-Coat (1550nm)	N-BK7	#89-049	€56,14 Volume Pricing	13 In Stock
5.00	12.00	10.83	Laser V-Coat (1550nm)	N-BK7	#89-050	€56,14 Volume Pricing	5 In Stock
5.00	15.00	13.94	Laser V-Coat (1550nm)	N-BK7	#89-051	€56,14 Volume Pricing	5 In Stock
5.00	20.00	19.02	Laser V-Coat (1550nm)	N-BK7	#89-052	€56,14 Volume Pricing	7 In Stock
5.00	25.00	23.95	Laser V-Coat (1550nm)	N-BK7	#89-053	€56,14 Volume Pricing	10 In Stock
5.00	30.00	28.95	Laser V-Coat (1550nm)	N-BK7	#89-054	€56,14 Volume Pricing	5 In Stock
6.00	6.00	4.6	Laser V-Coat (1550nm)	N-SF11	#84-205	€48,41 Volume Pricing	1 In Stock
6.00	7.50	6.1	Laser V-Coat (1550nm)	N-SF11	#84-206	€47,90 Volume Pricing	Contact Us
6.00	9.00	7.95	Laser V-Coat (1550nm)	N-SF5	#84-207	€47,90 Volume Pricing	14 In Stock
6.00	12.00	10.94	Laser V-Coat (1550nm)	N-BK7	#84-208	€46,35 Volume Pricing	1 In Stock
6.00	15.00	13.68	Laser V-Coat (1550nm)	N-BK7	#84-209	€46,35 Volume Pricing	6 In Stock

6.00	18.00	17.07	Laser V-Coat (1550nm)	N-BK7	#84-210	€46,87 Volume Pricing	7 In Stock
6.00	21.00	20.06	Laser V-Coat (1550nm)	N-BK7	#84-211	€46,87 Volume Pricing	8 In Stock
6.00	24.00	23.01	Laser V-Coat (1550nm)	N-BK7	#84-212	€46,87 Volume Pricing	8 In Stock
6.00	30.00	29.14	Laser V-Coat (1550nm)	N-BK7	#84-213	€46,35 Volume Pricing	2 In Stock
6.00	36.00	34.95	Laser V-Coat (1550nm)	N-BK7	#84-214	€46,87 Volume Pricing	9 In Stock
6.00	48.00	46.95	Laser V-Coat (1550nm)	N-BK7	#84-215	€46,87 Volume Pricing	7 In Stock
6.00	60.00	58.95	Laser V-Coat (1550nm)	N-BK7	#84-216	€46,87 Volume Pricing	5 In Stock
6.00	72.00	70.97	Laser V-Coat (1550nm)	N-BK7	#84-217	€46,87 Volume Pricing	5 In Stock
9.00	9.00	7.32	Laser V-Coat (1550nm)	N-SF11	#84-218	€48,93 Volume Pricing	20+ In Stock
9.00	12.00	10.6	Laser V-Coat (1550nm)	N-SF11	#84-219	€48,93 Volume Pricing	7 In Stock
9.00	13.50	11.94	Laser V-Coat (1550nm)	N-SF5	#84-220	€48,93 Volume Pricing	20+ In Stock
9.00	15.00	13.02	Laser V-Coat (1550nm)	N-BK7	#84-221	€48,93 Volume Pricing	5 In Stock
9.00	18.00	16.41	Laser V-Coat (1550nm)	N-BK7	#84-222	€47,90 Volume Pricing	8 In Stock
9.00	22.00	20.73	Laser V-Coat (1550nm)	N-BK7	#84-223	€47,90 Volume Pricing	20+ In Stock

9.00	27.00	25.34	Laser V-Coat (1550nm)	N-BK7	#84-224	€47,90 Volume Pricing	4 In Stock
9.00	36.00	34.48	Laser V-Coat (1550nm)	N-BK7	#84-225	€47,90 Volume Pricing	4 In Stock
9.00	45.00	43.98	Laser V-Coat (1550nm)	N-BK7	#84-226	€47,90 Volume Pricing	2 In Stock
9.00	54.00	52.69	Laser V-Coat (1550nm)	N-BK7	#84-227	€47,90 Volume Pricing	13 In Stock
9.00	72.00	70.68	Laser V-Coat (1550nm)	N-BK7	#84-228	€47,90 Volume Pricing	10 In Stock
9.00	90.00	88.68	Laser V-Coat (1550nm)	N-BK7	#84-229	€47,90 Volume Pricing	8 In Stock
10.00	10.00	8.18	Laser V-Coat (1550nm)	N-SF11	#84-230	€48,93 Volume Pricing	20+ In Stock
10.00	15.00	13.32	Laser V-Coat (1550nm)	N-SF11	#84-231	€48,93 Volume Pricing	Contact Us
10.00	20.00	18.03	Laser V-Coat (1550nm)	N-BK7	#84-232	€47,90 Volume Pricing	20+ In Stock
10.00	25.00	23.02	Laser V-Coat (1550nm)	N-BK7	#84-233	€47,90 Volume Pricing	10 In Stock
10.00	30.00	28.01	Laser V-Coat (1550nm)	N-BK7	#84-234	€47,90 Volume Pricing	3 In Stock
10.00	40.00	38.02	Laser V-Coat (1550nm)	N-BK7	#84-235	€47,90 Volume Pricing	4 In Stock
10.00	50.00	48.02	Laser V-Coat (1550nm)	N-BK7	#84-236	€47,90 Volume Pricing	20+ In Stock
10.00	75.00	73.02	Laser V-Coat (1550nm)	N-BK7	#84-237	€47,90 Volume Pricing	Contact Us

10.00	100.00	98.02	Laser V-Coat (1550nm)	N-BK7	#84-238	€47,90 Volume Pricing	17 In Stock
12.00	12.00	9.76	Laser V-Coat (1550nm)	N-SF11	#84-239	€50,99 Volume Pricing	20+ In Stock
12.00	15.00	12.03	Laser V-Coat (1550nm)	N-BK7	#84-240	€50,99 Volume Pricing	6 In Stock
12.00	18.00	16.22	Laser V-Coat (1550nm)	N-SF5	#84-241	€50,99 Volume Pricing	20+ In Stock
12.00	20.00	17.69	Laser V-Coat (1550nm)	N-BK7	#84-242	€50,99 Volume Pricing	1 In Stock
12.00	24.00	22.15	Laser V-Coat (1550nm)	N-BK7	#84-243	€49,96 Volume Pricing	4 In Stock
12.00	30.00	28.02	Laser V-Coat (1550nm)	N-BK7	#84-244	€49,96 Volume Pricing	16 In Stock
12.00	42.00	40.22	Laser V-Coat (1550nm)	N-BK7	#84-245	€49,96 Volume Pricing	1 In Stock
12.00	48.00	46.36	Laser V-Coat (1550nm)	N-BK7	#84-246	€49,96 Volume Pricing	5 In Stock
12.00	54.00	52.02	Laser V-Coat (1550nm)	N-BK7	#84-247	€49,96 Volume Pricing	2 In Stock
12.00	60.00	58.37	Laser V-Coat (1550nm)	N-BK7	#84-248	€49,96 Volume Pricing	7 In Stock
12.00	72.00	70.42	Laser V-Coat (1550nm)	N-BK7	#84-249	€49,96 Volume Pricing	20+ In Stock
12.00	84.00	82.39	Laser V-Coat (1550nm)	N-BK7	#84-250	€49,96 Volume Pricing	2 In Stock
12.00	100.00	98.35	Laser V-Coat (1550nm)	N-BK7	#84-251	€49,96 Volume Pricing	20+ In Stock

15.00	15.00	11.71	Laser V-Coat (1550nm)	N-SF5	#87-625	€52,53 Volume Pricing	20+ In Stock
15.00	18.00	15.61	Laser V-Coat (1550nm)	N-SF5	#87-626	€52,53 Volume Pricing	14 In Stock
15.00	20.00	17.74	Laser V-Coat (1550nm)	N-SF5	#87-627	€52,53 Volume Pricing	14 In Stock
15.00	22.50	20.50	Laser V-Coat (1550nm)	N-SF5	#87-628	€52,53 Volume Pricing	15 In Stock
20.00	20.00	17.42	Laser V-Coat (1550nm)	N-SF11	#89-055	€57,68 Volume Pricing	17 In Stock
20.00	25.00	22.76	Laser V-Coat (1550nm)	N-SF11	#89-056	€57,17 Volume Pricing	6 In Stock
20.00	35.00	32.04	Laser V-Coat (1550nm)	N-BK7	#89-057	€57,17 Volume Pricing	7 In Stock
20.00	40.00	36.77	Laser V-Coat (1550nm)	N-BK7	#89-058	€55,62 Volume Pricing	11 In Stock
20.00	50.00	47.87	Laser V-Coat (1550nm)	N-BK7	#89-059	€55,62 Volume Pricing	10 In Stock
20.00	60.00	57.03	Laser V-Coat (1550nm)	N-BK7	#89-060	€55,62 Volume Pricing	5 In Stock
20.00	70.00	68.03	Laser V-Coat (1550nm)	N-BK7	#89-061	€55,62 Volume Pricing	20+ In Stock
20.00	80.00	78.45	Laser V-Coat (1550nm)	N-BK7	#89-062	€55,62 Volume Pricing	7 In Stock
20.00	100.00	97.13	Laser V-Coat (1550nm)	N-BK7	#89-063	€55,62 Volume Pricing	13 In Stock
20.00	150.00	148.02	Laser V-Coat (1550nm)	N-BK7	#89-064	€55,62 Volume Pricing	8 In Stock

25.00	25.00	20.22	Laser V-Coat (1550nm)	N-SF5	#84-252	€57,68 Volume Pricing	20+ In Stock
25.00	30.00	24.68	Laser V-Coat (1550nm)	N-BK7	#84-253	€57,68 Volume Pricing	5 In Stock
25.00	35.00	30.42	Laser V-Coat (1550nm)	N-BK7	#84-254	€57,68 Volume Pricing	11 In Stock
25.00	40.00	36.3	Laser V-Coat (1550nm)	N-BK7	#84-255	€57,68 Volume Pricing	15 In Stock
25.00	50.00	46.77	Laser V-Coat (1550nm)	N-BK7	#84-256	€55,62 Volume Pricing	14 In Stock
25.00	60.00	56.91	Laser V-Coat (1550nm)	N-BK7	#84-257	€55,62 Volume Pricing	15 In Stock
25.00	75.00	72.03	Laser V-Coat (1550nm)	N-BK7	#84-258	€55,62 Volume Pricing	11 In Stock
25.00	85.00	82.17	Laser V-Coat (1550nm)	N-BK7	#84-259	€55,62 Volume Pricing	8 In Stock
25.00	100.00	97.17	Laser V-Coat (1550nm)	N-BK7	#84-260	€55,62 Volume Pricing	16 In Stock
25.00	125.00	122.73	Laser V-Coat (1550nm)	N-BK7	#84-261	€55,62 Volume Pricing	3 In Stock
25.00	150.00	147.75	Laser V-Coat (1550nm)	N-BK7	#84-262	€55,62 Volume Pricing	5 In Stock
25.00	175.00	172.75	Laser V-Coat (1550nm)	N-BK7	#84-263	€55,62 Volume Pricing	12 In Stock
25.00	250.00	248.02	Laser V-Coat (1550nm)	N-BK7	#84-264	€55,62 Volume Pricing	5 In Stock
25.00	300.00	298.02	Laser V-Coat (1550nm)	N-BK7	#84-265	€55,62 Volume Pricing	2 In Stock

25.00	500.00	497.89	Laser V-Coat (1550nm)	N-BK7	#84-266	€55,62 Volume Pricing	5 In Stock
25.00	750.00	747.89	Laser V-Coat (1550nm)	N-BK7	#84-267	€55,62 Volume Pricing	4 In Stock
30.00	30.00	26.13	Laser V-Coat (1550nm)	N-SF11	#26-169	€65,41 Volume Pricing	7 In Stock
30.00	40.00	37.20	Laser V-Coat (1550nm)	N-SF11	#26-170	€63,86 Volume Pricing	5 In Stock
30.00	50.00	46.17	Laser V-Coat (1550nm)	N-SF5	#26-171	€63,86 Volume Pricing	20+ In Stock
30.00	100.00	96.01	Laser V-Coat (1550nm)	N-BK7	#26-172	€62,32 Volume Pricing	4 In Stock
30.00	120.00	116.04	Laser V-Coat (1550nm)	N-BK7	#26-173	€62,32 Volume Pricing	5 In Stock
40.00	40.00	35.13	Laser V-Coat (1550nm)	N-SF11	#26-174	€70,56 Volume Pricing	13 In Stock
40.00	60.00	53.90	Laser V-Coat (1550nm)	N-BK7	#26-175	€70,56 Volume Pricing	8 In Stock
40.00	300.00	296.70	Laser V-Coat (1550nm)	N-BK7	#26-176	€69,53 Volume Pricing	5 In Stock
40.00	400.00	396.70	Laser V-Coat (1550nm)	N-BK7	#26-177	€69,53 Volume Pricing	1 In Stock
50.00	50.00	43.28	Laser V-Coat (1550nm)	N-SF11	#84-268	€75,71 Volume Pricing	2 In Stock
50.00	75.00	67.7	Laser V-Coat (1550nm)	N-BK7	#84-269	€73,65 Volume Pricing	Contact Us
50.00	100.00	93.41	Laser V-Coat (1550nm)	N-BK7	#84-270	€71,07 Volume Pricing	Contact Us

50.00	125.00	118.39	Laser V-Coat (1550nm)	N-BK7	#84-271	€71,07 Volume Pricing	1 In Stock
50.00	150.00	144.07	Laser V-Coat (1550nm)	N-BK7	#84-272	€71,07 Volume Pricing	4 In Stock
50.00	175.00	169.05	Laser V-Coat (1550nm)	N-BK7	#84-273	€71,07 Volume Pricing	2 In Stock
50.00	200.00	196.66	Laser V-Coat (1550nm)	N-BK7	#84-274	€71,07 Volume Pricing	9 In Stock
50.00	250.00	246.74	Laser V-Coat (1550nm)	N-BK7	#84-275	€71,07 Volume Pricing	14 In Stock
50.00	500.00	496.7	Laser V-Coat (1550nm)	N-BK7	#84-276	€71,07 Volume Pricing	4 In Stock



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