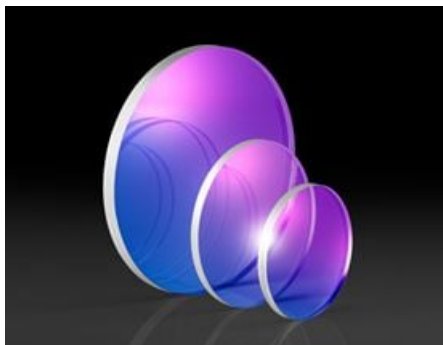


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TECHSPEC® Calcium Fluoride (CaF₂) Windows


- Low Absorption, High Transmission UV Grade Calcium Fluoride
- Low Index of Refraction
- AR Coatings Spanning 250 - 5000nm Available
- [Calcium Fluoride \(CaF₂\) Wedged Windows](#) also Available

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	90
Edges:	Fine Ground	Knoop Hardness (kg/mm²):	158.30
Poisson's Ratio:	0.26	Young's Modulus (GPa):	75.8

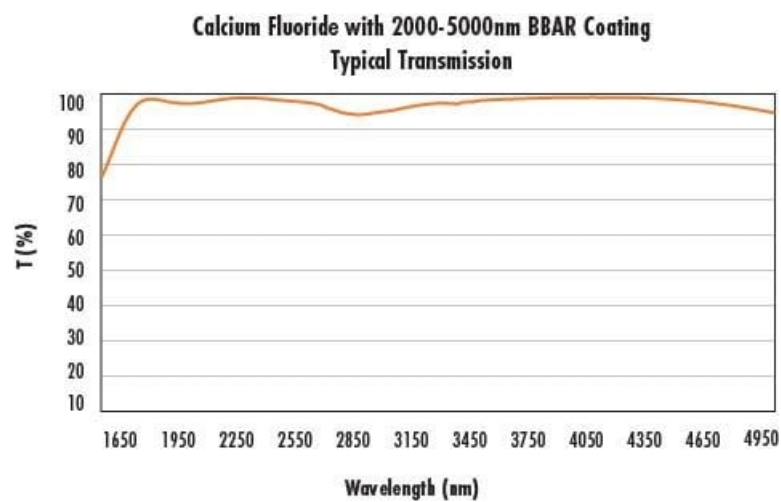
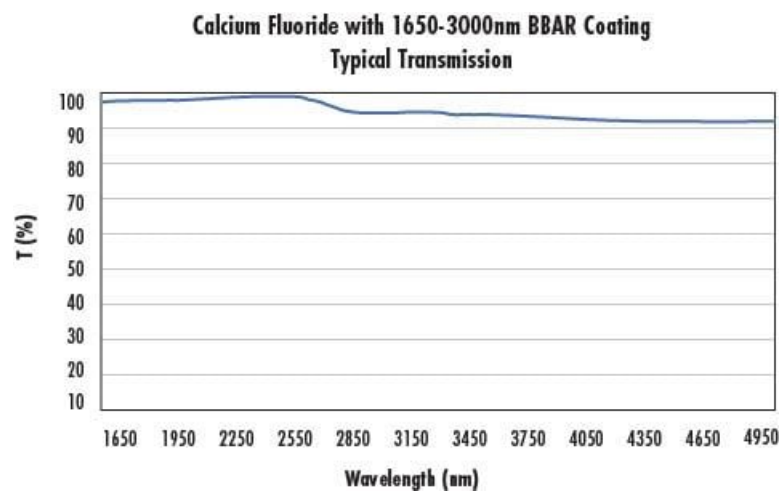
Optical Properties

Abbe Number (v_d):	94.99	Axis Orientation:	Random
Index of Refraction (n_d):	1.434	Substrate:	Calcium Fluoride (CaF ₂) Vacuum UV Grade

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	18.85	Density (g/cm³):	3.18
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Technical Information



Products

Dia. (mm)	Dimensions (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	-	1.00	Uncoated	#48-853	C\$173.60 Volume Pricing	20+ In Stock
5.00	-	1.00	UV-VIS (250-700nm)	#14-800	C\$238.00 Volume Pricing	8 In Stock
5.00	-	1.00	VIS-NIR (400-1000nm)	#14-812	C\$238.00 Volume Pricing	3 In Stock
5.00	-	1.00	NIR II (750-1550nm)	#14-824	C\$238.00 Volume Pricing	7 In Stock
5.00	-	1.00	BBAR (1650-3000nm)	#15-962	C\$243.60 Volume Pricing	5 In Stock
5.00	-	1.00	BBAR (2000-5000nm)	#23-509	C\$243.60 Volume Pricing	4 In Stock
10.00	-	1.50	Uncoated	#47-681	C\$182.00 Volume Pricing	20+ In Stock
10.00	-	1.50	UV-VIS (250-700nm)	#14-801	C\$247.80 Volume Pricing	5 In Stock
10.00	-	1.50	VIS-NIR (400-1000nm)	#14-813	C\$247.80 Volume Pricing	5 In Stock
10.00	-	1.50	NIR II (750-1550nm)	#14-825	C\$247.80 Volume Pricing	1 In Stock
10.00	-	1.50	BBAR (1650-3000nm)	#15-963	C\$250.60 Volume Pricing	12 In Stock
10.00	-	1.50	BBAR (2000-5000nm)	#23-510	C\$250.60 Volume Pricing	5 In Stock
12.50	-	2.00	Uncoated	#47-682	C\$196.00 Volume Pricing	20+ In Stock

12.50	-	2.00	UV-VIS (250-700nm)	#14-802	C\$259.00 Volume Pricing	12 In Stock
12.50	-	2.00	VIS-NIR (400-1000nm)	#14-814	C\$259.00 Volume Pricing	1 In Stock
12.50	-	2.00	NIR II (750-1550nm)	#14-826	C\$259.00 Volume Pricing	1 In Stock
12.50	-	2.00	BBAR (1650-3000nm)	#15-964	C\$267.40 Volume Pricing	Contact Us
12.50	-	2.00	BBAR (2000-5000nm)	#23-511	C\$267.40 Volume Pricing	5 In Stock
-	12.50 x 12.50	2.00	Uncoated	#25-765	C\$211.40 Volume Pricing	4 In Stock
12.70	-	2.00	Uncoated	#17-600	C\$196.00 Volume Pricing	20+ In Stock
12.70	-	2.00	UV-VIS (250-700nm)	#17-601	C\$259.00 Volume Pricing	2 In Stock
12.70	-	2.00	VIS-NIR (400-1000nm)	#17-602	C\$259.00 Volume Pricing	4 In Stock
12.70	-	2.00	NIR II (750-1550nm)	#17-603	C\$259.00 Volume Pricing	1 In Stock
12.70	-	2.00	BBAR (1650-3000nm)	#17-604	C\$267.40 Volume Pricing	6 In Stock
12.70	-	2.00	BBAR (2000-5000nm)	#23-512	C\$267.40 Volume Pricing	2 In Stock
15.00	-	2.00	Uncoated	#48-854	C\$211.40 Volume Pricing	15 In Stock
15.00	-	2.00	UV-VIS (250-700nm)	#14-803	C\$277.20 Volume Pricing	5 In Stock
15.00	-	2.00	VIS-NIR (400-1000nm)	#14-815	C\$277.20 Volume Pricing	4 In Stock
15.00	-	2.00	NIR II (750-1550nm)	#14-827	C\$277.20 Volume Pricing	5 In Stock

15.00	-	2.00	BBAR (1650-3000nm)	#15-965	C\$280.00 Volume Pricing	5 In Stock
15.00	-	2.00	BBAR (2000-5000nm)	#23-513	C\$280.00 Volume Pricing	4 In Stock
20.00	-	2.00	Uncoated	#63-207	C\$228.20 Volume Pricing	17 In Stock
20.00	-	2.00	UV-VIS (250-700nm)	#14-804	C\$292.60 Volume Pricing	11 In Stock
20.00	-	2.00	VIS-NIR (400-1000nm)	#14-816	C\$292.60 Volume Pricing	5 In Stock
20.00	-	2.00	NIR II (750-1550nm)	#14-828	C\$292.60 Volume Pricing	20+ In Stock
20.00	-	2.00	BBAR (1650-3000nm)	#15-966	C\$296.80 Volume Pricing	16 In Stock
20.00	-	2.00	BBAR (2000-5000nm)	#23-514	C\$296.80 Volume Pricing	5 In Stock
25.00	-	1.00	Uncoated	#22-455	C\$235.20 Volume Pricing	10 In Stock
25.00	-	3.00	Uncoated	#47-683	C\$235.20 Volume Pricing	20+ In Stock
25.00	-	5.00	Uncoated	#22-456	C\$280.00 Volume Pricing	12 In Stock
25.00	-	1.00	UV-VIS (250-700nm)	#22-597	C\$299.60 Volume Pricing	3 In Stock
25.00	-	3.00	UV-VIS (250-700nm)	#14-805	C\$299.60 Volume Pricing	5 In Stock
25.00	-	5.00	UV-VIS (250-700nm)	#22-601	C\$344.40 Volume Pricing	5 In Stock
25.00	-	1.00	VIS-NIR (400-1000nm)	#22-598	C\$299.60 Volume Pricing	1 In Stock

25.00	-	3.00	VIS-NIR (400-1000nm)	#14-817	C\$299.60 Volume Pricing	3 In Stock
25.00	-	5.00	VIS-NIR (400-1000nm)	#22-602	C\$344.40 Volume Pricing	4 In Stock
25.00	-	1.00	NIR II (750-1550nm)	#22-599	C\$299.60 Volume Pricing	Contact Us
25.00	-	3.00	NIR II (750-1550nm)	#14-829	C\$299.60 Volume Pricing	5 In Stock
25.00	-	5.00	NIR II (750-1550nm)	#22-603	C\$344.40 Volume Pricing	5 In Stock
25.00	-	1.00	BBAR (1650-3000nm)	#22-600	C\$303.80 Volume Pricing	Contact Us
25.00	-	3.00	BBAR (1650-3000nm)	#15-967	C\$303.80 Volume Pricing	15 In Stock
25.00	-	5.00	BBAR (1650-3000nm)	#22-604	C\$348.60 Volume Pricing	4 In Stock
25.00	-	1.00	BBAR (2000-5000nm)	#23-515	C\$303.80 Volume Pricing	9 In Stock
25.00	-	3.00	BBAR (2000-5000nm)	#23-516	C\$303.80 Volume Pricing	7 In Stock
25.00	-	5.00	BBAR (2000-5000nm)	#23-517	C\$348.60 Volume Pricing	10 In Stock
-	25.00 x 25.00	3.00	Uncoated	#25-766	C\$284.20 Volume Pricing	7 In Stock
25.40	-	1.00	Uncoated	#22-457	C\$235.20 Volume Pricing	9 In Stock
25.40	-	3.00	Uncoated	#11-874	C\$235.20 Volume Pricing	20+ In Stock
25.40	-	1.00	UV-VIS (250-700nm)	#22-605	C\$299.60 Volume Pricing	1 In Stock
25.40	-	3.00	UV-VIS (250-700nm)	#14-806	C\$299.60 Volume Pricing	20+ In Stock

25.40	-	1.00	VIS-NIR (400-1000nm)	#22-606	C\$299.60 Volume Pricing	6 In Stock
25.40	-	3.00	VIS-NIR (400-1000nm)	#14-818	C\$299.60 Volume Pricing	2 In Stock
25.40	-	1.00	NIR II (750-1550nm)	#22-607	C\$299.60 Volume Pricing	2 In Stock
25.40	-	3.00	NIR II (750-1550nm)	#14-830	C\$299.60 Volume Pricing	3 In Stock
25.40	-	1.00	BBAR (1650-3000nm)	#22-608	C\$303.80 Volume Pricing	Contact Us
25.40	-	3.00	BBAR (1650-3000nm)	#15-968	C\$303.80 Volume Pricing	4 In Stock
25.40	-	1.00	BBAR (2000-5000nm)	#23-518	C\$303.80 Volume Pricing	5 In Stock
25.40	-	3.00	BBAR (2000-5000nm)	#23-519	C\$303.80 Volume Pricing	20+ In Stock
30.00	-	3.00	Uncoated	#63-208	C\$316.40 Volume Pricing	20+ In Stock
30.00	-	3.00	UV-VIS (250-700nm)	#14-807	C\$393.40 Volume Pricing	5 In Stock
30.00	-	3.00	VIS-NIR (400-1000nm)	#14-819	C\$393.40 Volume Pricing	5 In Stock
30.00	-	3.00	NIR II (750-1550nm)	#14-831	C\$393.40 Volume Pricing	11 In Stock
30.00	-	3.00	BBAR (1650-3000nm)	#15-969	C\$397.60 Volume Pricing	11 In Stock
30.00	-	3.00	BBAR (2000-5000nm)	#23-520	C\$397.60 Volume Pricing	6 In Stock
40.00	-	3.00	Uncoated	#63-209	C\$365.40 Volume Pricing	20+ In Stock

40.00	-	3.00	UV-VIS (250-700nm)	#14-808	C\$442.40 Volume Pricing	2 In Stock
40.00	-	3.00	VIS-NIR (400-1000nm)	#14-820	C\$442.40 Volume Pricing	2 In Stock
40.00	-	3.00	NIR II (750-1550nm)	#14-832	C\$442.40 Volume Pricing	7 In Stock
40.00	-	3.00	BBAR (1650-3000nm)	#15-970	C\$442.40 Volume Pricing	5 In Stock
40.00	-	3.00	BBAR (2000-5000nm)	#23-521	C\$459.20 Volume Pricing	5 In Stock
50.00	-	1.00	Uncoated	#22-459	C\$413.00 Volume Pricing	10 In Stock
50.00	-	3.00	Uncoated	#47-684	C\$413.00 Volume Pricing	20+ In Stock
50.00	-	1.00	UV-VIS (250-700nm)	#22-609	C\$490.00 Volume Pricing	2 In Stock
50.00	-	3.00	UV-VIS (250-700nm)	#14-809	C\$490.00 Volume Pricing	6 In Stock
50.00	-	1.00	VIS-NIR (400-1000nm)	#22-610	C\$490.00 Volume Pricing	6 In Stock
50.00	-	3.00	VIS-NIR (400-1000nm)	#14-821	C\$490.00 Volume Pricing	9 In Stock
50.00	-	1.00	NIR II (750-1550nm)	#22-611	C\$490.00 Volume Pricing	Contact Us
50.00	-	3.00	NIR II (750-1550nm)	#14-833	C\$490.00 Volume Pricing	1 In Stock
50.00	-	1.00	BBAR (1650-3000nm)	#22-612	C\$490.00 Volume Pricing	3 In Stock
50.00	-	3.00	BBAR (1650-3000nm)	#15-971	C\$490.00 Volume Pricing	3 In Stock

50.00	-	1.00	BBAR (2000-5000nm)	#23-522	C\$512.40 Volume Pricing	5 In Stock
50.00	-	3.00	BBAR (2000-5000nm)	#23-523	C\$512.40 Volume Pricing	9 In Stock
50.80	-	3.00	Uncoated	#11-875	C\$413.00 Volume Pricing	5 In Stock
50.80	-	3.00	UV-VIS (250-700nm)	#14-810	C\$490.00 Volume Pricing	1 In Stock
50.80	-	3.00	VIS-NIR (400-1000nm)	#14-822	C\$490.00 Volume Pricing	5 In Stock
50.80	-	3.00	NIR II (750-1550nm)	#14-834	C\$490.00 Volume Pricing	5 In Stock
50.80	-	3.00	BBAR (1650-3000nm)	#15-972	C\$490.00 Volume Pricing	1 In Stock
50.80	-	3.00	BBAR (2000-5000nm)	#23-524	C\$512.40 Volume Pricing	4 In Stock
75.00	-	5.00	Uncoated	#87-705	C\$1,267.00 Volume Pricing	4 In Stock
75.00	-	5.00	UV-VIS (250-700nm)	#14-811	C\$1,400.00 Volume Pricing	7 In Stock
75.00	-	5.00	VIS-NIR (400-1000nm)	#14-823	C\$1,400.00 Volume Pricing	5 In Stock
75.00	-	5.00	NIR II (750-1550nm)	#14-835	C\$1,400.00 Volume Pricing	4 In Stock
75.00	-	5.00	BBAR (1650-3000nm)	#15-973	C\$1,386.00 Volume Pricing	7 In Stock
75.00	-	5.00	BBAR (2000-5000nm)	#23-525	C\$1,435.00 Volume Pricing	1 In Stock
100.00	-	6.00	Uncoated	#17-605	C\$2,989.00 Volume Pricing	1 In Stock
125.00	-	6.00	Uncoated	#17-606	C\$5,103.00 Volume Pricing	4 In Stock



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