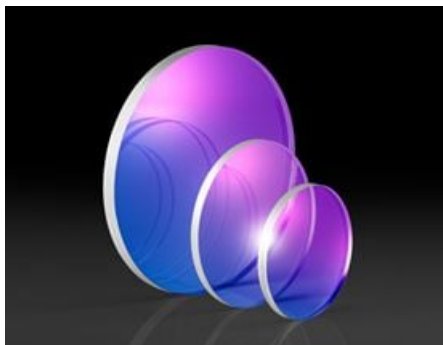


[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)
TECHSPEC® Calcium Fluoride (CaF₂) Windows


- 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

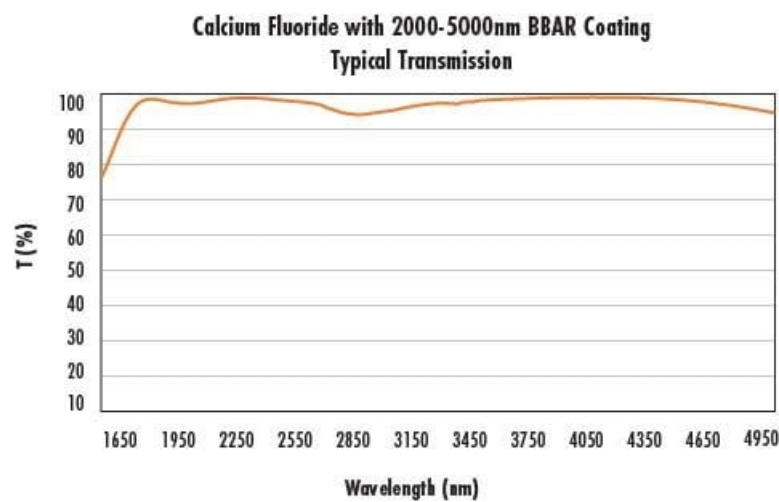
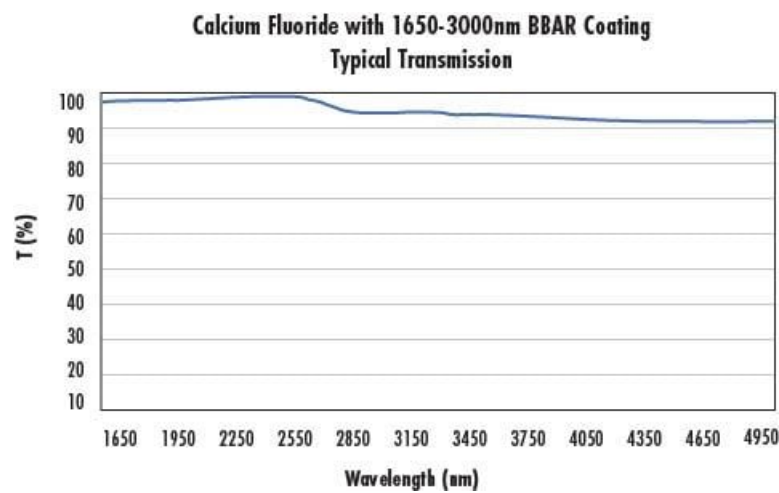
Optical Properties

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	₹8,362 Volume Pricing	20+ In Stock
5.00	-	1.00	UV-VIS (250-700nm)	#14-800	₹11,443 Volume Pricing	8 In Stock
5.00	-	1.00	VIS-NIR (400-1000nm)	#14-812	₹11,443 Volume Pricing	3 In Stock
5.00	-	1.00	NIR II (750-1550nm)	#14-824	₹11,443 Volume Pricing	7 In Stock
5.00	-	1.00	BBAR (1650-3000nm)	#15-962	₹11,663 Volume Pricing	5 In Stock
5.00	-	1.00	BBAR (2000-5000nm)	#23-509	₹11,663 Volume Pricing	4 In Stock
10.00	-	1.50	Uncoated	#47-681	₹8,729 Volume Pricing	20+ In Stock
10.00	-	1.50	UV-VIS (250-700nm)	#14-801	₹11,883 Volume Pricing	5 In Stock
10.00	-	1.50	VIS-NIR (400-1000nm)	#14-813	₹11,883 Volume Pricing	5 In Stock
10.00	-	1.50	NIR II (750-1550nm)	#14-825	₹11,883 Volume Pricing	1 In Stock
10.00	-	1.50	BBAR (1650-3000nm)	#15-963	₹12,029 Volume Pricing	12 In Stock
10.00	-	1.50	BBAR (2000-5000nm)	#23-510	₹12,029 Volume Pricing	5 In Stock
12.50	-	2.00	Uncoated	#47-682	₹9,389 Volume Pricing	20+ In Stock

12.50	-	2.00	UV-VIS (250-700nm)	#14-802	₹12,396 Volume Pricing	12 In Stock
12.50	-	2.00	VIS-NIR (400-1000nm)	#14-814	₹12,396 Volume Pricing	1 In Stock
12.50	-	2.00	NIR II (750-1550nm)	#14-826	₹12,396 Volume Pricing	1 In Stock
12.50	-	2.00	BBAR (1650-3000nm)	#15-964	₹12,836 Volume Pricing	Contact Us
12.50	-	2.00	BBAR (2000-5000nm)	#23-511	₹12,836 Volume Pricing	Contact Us
-	12.50 x 12.50	2.00	Uncoated	#25-765	₹10,122 Volume Pricing	4 In Stock
12.70	-	2.00	Uncoated	#17-600	₹9,389 Volume Pricing	20+ In Stock
12.70	-	2.00	UV-VIS (250-700nm)	#17-601	₹12,396 Volume Pricing	2 In Stock
12.70	-	2.00	VIS-NIR (400-1000nm)	#17-602	₹12,396 Volume Pricing	4 In Stock
12.70	-	2.00	NIR II (750-1550nm)	#17-603	₹12,396 Volume Pricing	1 In Stock
12.70	-	2.00	BBAR (1650-3000nm)	#17-604	₹12,836 Volume Pricing	6 In Stock
12.70	-	2.00	BBAR (2000-5000nm)	#23-512	₹12,836 Volume Pricing	2 In Stock
15.00	-	2.00	Uncoated	#48-854	₹10,122 Volume Pricing	15 In Stock
15.00	-	2.00	UV-VIS (250-700nm)	#14-803	₹13,276 Volume Pricing	5 In Stock
15.00	-	2.00	VIS-NIR (400-1000nm)	#14-815	₹13,276 Volume Pricing	4 In Stock
15.00	-	2.00	NIR II (750-1550nm)	#14-827	₹13,276 Volume Pricing	5 In Stock

15.00	-	2.00	BBAR (1650-3000nm)	#15-965	₹13,423 Volume Pricing	5 In Stock
15.00	-	2.00	BBAR (2000-5000nm)	#23-513	₹13,423 Volume Pricing	4 In Stock
20.00	-	2.00	Uncoated	#63-207	₹10,929 Volume Pricing	17 In Stock
20.00	-	2.00	UV-VIS (250-700nm)	#14-804	₹14,010 Volume Pricing	11 In Stock
20.00	-	2.00	VIS-NIR (400-1000nm)	#14-816	₹14,010 Volume Pricing	5 In Stock
20.00	-	2.00	NIR II (750-1550nm)	#14-828	₹14,010 Volume Pricing	20+ In Stock
20.00	-	2.00	BBAR (1650-3000nm)	#15-966	₹14,230 Volume Pricing	16 In Stock
20.00	-	2.00	BBAR (2000-5000nm)	#23-514	₹14,230 Volume Pricing	5 In Stock
25.00	-	1.00	Uncoated	#22-455	₹11,296 Volume Pricing	Contact Us
25.00	-	3.00	Uncoated	#47-683	₹11,296 Volume Pricing	20+ In Stock
25.00	-	5.00	Uncoated	#22-456	₹13,423 Volume Pricing	3 In Stock
25.00	-	1.00	UV-VIS (250-700nm)	#22-597	₹14,377 Volume Pricing	3 In Stock
25.00	-	3.00	UV-VIS (250-700nm)	#14-805	₹14,377 Volume Pricing	5 In Stock
25.00	-	5.00	UV-VIS (250-700nm)	#22-601	₹16,504 Volume Pricing	5 In Stock
25.00	-	1.00	VIS-NIR (400-1000nm)	#22-598	₹14,377 Volume Pricing	1 In Stock

25.00	-	3.00	VIS-NIR (400-1000nm)	#14-817	₹14,377 Volume Pricing	3 In Stock
25.00	-	5.00	VIS-NIR (400-1000nm)	#22-602	₹16,504 Volume Pricing	4 In Stock
25.00	-	1.00	NIR II (750-1550nm)	#22-599	₹14,377 Volume Pricing	Contact Us
25.00	-	3.00	NIR II (750-1550nm)	#14-829	₹14,377 Volume Pricing	5 In Stock
25.00	-	5.00	NIR II (750-1550nm)	#22-603	₹16,504 Volume Pricing	5 In Stock
25.00	-	1.00	BBAR (1650-3000nm)	#22-600	₹14,597 Volume Pricing	Contact Us
25.00	-	3.00	BBAR (1650-3000nm)	#15-967	₹14,597 Volume Pricing	15 In Stock
25.00	-	5.00	BBAR (1650-3000nm)	#22-604	₹16,724 Volume Pricing	4 In Stock
25.00	-	1.00	BBAR (2000-5000nm)	#23-515	₹14,597 Volume Pricing	Contact Us
25.00	-	3.00	BBAR (2000-5000nm)	#23-516	₹14,597 Volume Pricing	Contact Us
25.00	-	5.00	BBAR (2000-5000nm)	#23-517	₹16,724 Volume Pricing	10 In Stock
-	25.00 x 25.00	3.00	Uncoated	#25-766	₹13,643 Volume Pricing	7 In Stock
25.40	-	1.00	Uncoated	#22-457	₹11,296 Volume Pricing	6 In Stock
25.40	-	3.00	Uncoated	#11-874	₹11,296 Volume Pricing	Contact Us
25.40	-	1.00	UV-VIS (250-700nm)	#22-605	₹14,377 Volume Pricing	1 In Stock
25.40	-	3.00	UV-VIS (250-700nm)	#14-806	₹14,377 Volume Pricing	20+ In Stock

25.40	-	1.00	VIS-NIR (400-1000nm)	#22-606	₹14,377 Volume Pricing	6 In Stock
25.40	-	3.00	VIS-NIR (400-1000nm)	#14-818	₹14,377 Volume Pricing	2 In Stock
25.40	-	1.00	NIR II (750-1550nm)	#22-607	₹14,377 Volume Pricing	2 In Stock
25.40	-	3.00	NIR II (750-1550nm)	#14-830	₹14,377 Volume Pricing	5 In Stock
25.40	-	1.00	BBAR (1650-3000nm)	#22-608	₹14,597 Volume Pricing	Contact Us
25.40	-	3.00	BBAR (1650-3000nm)	#15-968	₹14,597 Volume Pricing	5 In Stock
25.40	-	1.00	BBAR (2000-5000nm)	#23-518	₹14,597 Volume Pricing	Contact Us
25.40	-	3.00	BBAR (2000-5000nm)	#23-519	₹14,597 Volume Pricing	20+ In Stock
30.00	-	3.00	Uncoated	#63-208	₹15,183 Volume Pricing	20+ In Stock
30.00	-	3.00	UV-VIS (250-700nm)	#14-807	₹18,851 Volume Pricing	5 In Stock
30.00	-	3.00	VIS-NIR (400-1000nm)	#14-819	₹18,851 Volume Pricing	5 In Stock
30.00	-	3.00	NIR II (750-1550nm)	#14-831	₹18,851 Volume Pricing	11 In Stock
30.00	-	3.00	BBAR (1650-3000nm)	#15-969	₹19,071 Volume Pricing	11 In Stock
30.00	-	3.00	BBAR (2000-5000nm)	#23-520	₹19,071 Volume Pricing	6 In Stock
40.00	-	3.00	Uncoated	#63-209	₹17,531 Volume Pricing	20+ In Stock

40.00	-	3.00	UV-VIS (250-700nm)	#14-808	₹21,198 Volume Pricing	2 In Stock
40.00	-	3.00	VIS-NIR (400-1000nm)	#14-820	₹21,198 Volume Pricing	2 In Stock
40.00	-	3.00	NIR II (750-1550nm)	#14-832	₹21,198 Volume Pricing	7 In Stock
40.00	-	3.00	BBAR (1650-3000nm)	#15-970	₹21,198 Volume Pricing	5 In Stock
40.00	-	3.00	BBAR (2000-5000nm)	#23-521	₹22,005 Volume Pricing	5 In Stock
50.00	-	1.00	Uncoated	#22-459	₹19,805 Volume Pricing	10 In Stock
50.00	-	3.00	Uncoated	#47-684	₹19,805 Volume Pricing	20+ In Stock
50.00	-	1.00	UV-VIS (250-700nm)	#22-609	₹23,545 Volume Pricing	2 In Stock
50.00	-	3.00	UV-VIS (250-700nm)	#14-809	₹23,545 Volume Pricing	6 In Stock
50.00	-	1.00	VIS-NIR (400-1000nm)	#22-610	₹23,545 Volume Pricing	6 In Stock
50.00	-	3.00	VIS-NIR (400-1000nm)	#14-821	₹23,545 Volume Pricing	9 In Stock
50.00	-	1.00	NIR II (750-1550nm)	#22-611	₹23,545 Volume Pricing	Contact Us
50.00	-	3.00	NIR II (750-1550nm)	#14-833	₹23,545 Volume Pricing	1 In Stock
50.00	-	1.00	BBAR (1650-3000nm)	#22-612	₹23,545 Volume Pricing	3 In Stock
50.00	-	3.00	BBAR (1650-3000nm)	#15-971	₹23,545 Volume Pricing	3 In Stock

50.00	-	1.00	BBAR (2000-5000nm)	#23-522	₹24,572 Volume Pricing	5 In Stock
50.00	-	3.00	BBAR (2000-5000nm)	#23-523	₹24,572 Volume Pricing	9 In Stock
50.80	-	3.00	Uncoated	#11-875	₹19,805 Volume Pricing	5 In Stock
50.80	-	3.00	UV-VIS (250-700nm)	#14-810	₹23,545 Volume Pricing	1 In Stock
50.80	-	3.00	VIS-NIR (400-1000nm)	#14-822	₹23,545 Volume Pricing	5 In Stock
50.80	-	3.00	NIR II (750-1550nm)	#14-834	₹23,545 Volume Pricing	5 In Stock
50.80	-	3.00	BBAR (1650-3000nm)	#15-972	₹23,545 Volume Pricing	2 In Stock
50.80	-	3.00	BBAR (2000-5000nm)	#23-524	₹24,572 Volume Pricing	4 In Stock
75.00	-	5.00	Uncoated	#87-705	₹60,881 Volume Pricing	4 In Stock
75.00	-	5.00	UV-VIS (250-700nm)	#14-811	₹67,115 Volume Pricing	7 In Stock
75.00	-	5.00	VIS-NIR (400-1000nm)	#14-823	₹67,115 Volume Pricing	5 In Stock
75.00	-	5.00	NIR II (750-1550nm)	#14-835	₹67,115 Volume Pricing	4 In Stock
75.00	-	5.00	BBAR (1650-3000nm)	#15-973	₹66,382 Volume Pricing	7 In Stock
75.00	-	5.00	BBAR (2000-5000nm)	#23-525	₹68,949 Volume Pricing	Contact Us
100.00	-	6.00	Uncoated	#17-605	₹1,43,399 Volume Pricing	2 In Stock

125.00 - 6.00 Uncoated [#17-606](#) ₹2,44,989
[Volume Pricing](#)

[Contact Us](#)



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