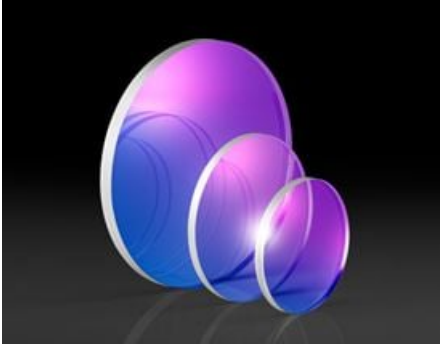


[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)

## **TECHSPEC® Calcium Fluoride (CaF<sub>2</sub>) Windows**



- Low Absorption, High Transmission UV Grade Calcium Fluoride
- Low Index of Refraction
- AR Coatings Spanning 250 - 5000nm Available
- [Calcium Fluoride \(CaF<sub>2</sub>\) Wedged Windows](#) also Available

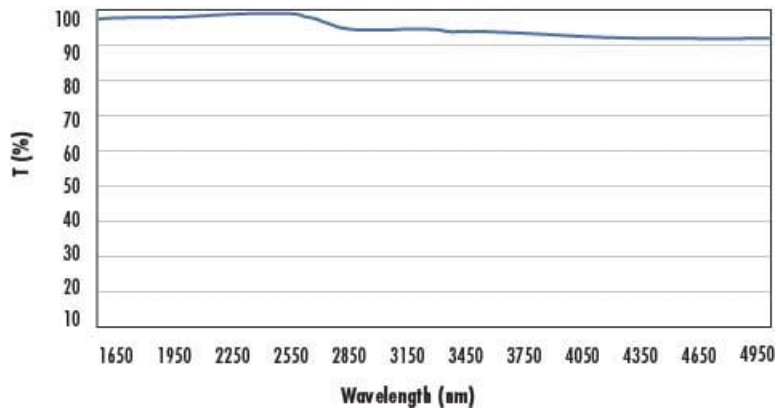


## Common Specifications

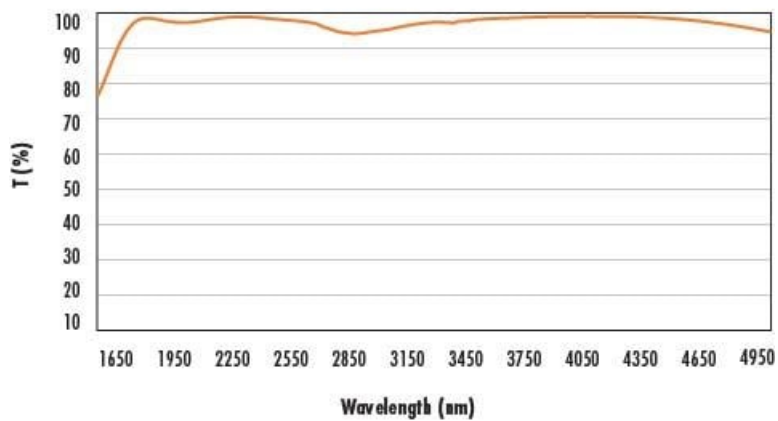
<b>Type of Window:</b>	Crystal		
<b>Bevel:</b>	Protective as needed		
<b>Clear Aperture (%):</b>	90	<b>Edges:</b>	Fine Ground
<b>Poisson's Ratio:</b>	0.26	<b>Young's Modulus (GPa):</b>	75.8
<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>	158.30		
<b>Substrate:</b>	Calcium Fluoride (CaF <sub>2</sub> ) Vacuum UV Grade		
<b>Index of Refraction (n<sub>d</sub>):</b>	1.434	<b>Abbe Number (v<sub>d</sub>):</b>	94.99
<b>Axis Orientation:</b>	Random		
<b>Density (g/cm<sup>3</sup>):</b>		3.18	
<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>		18.85	

# Technical Information

**Calcium Fluoride with 1650-3000nm BBAR Coating  
Typical Transmission**



**Calcium Fluoride with 2000-5000nm BBAR Coating  
Typical Transmission**



## Products

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

12.50	-	2.00	UV-VIS (250-700nm)	<a href="#">#14-802</a>	S\$259.00 <a href="#">Volume Pricing</a>	10 In Stock
12.50	-	2.00	VIS-NIR (400-1000nm)	<a href="#">#14-814</a>	S\$259.00 <a href="#">Volume Pricing</a>	1 In Stock
12.50	-	2.00	NIR II (750-1550nm)	<a href="#">#14-826</a>	S\$259.00 <a href="#">Volume Pricing</a>	1 In Stock
12.50	-	2.00	BBAR (1650-3000nm)	<a href="#">#15-964</a>	S\$267.40 <a href="#">Volume Pricing</a>	7 In Stock
12.50	-	2.00	BBAR (2000-5000nm)	<a href="#">#23-511</a>	S\$267.40 <a href="#">Volume Pricing</a>	5 In Stock
-	12.50 x 12.50	2.00	Uncoated	<a href="#">#25-765</a>	S\$211.40 <a href="#">Volume Pricing</a>	4 In Stock
12.70	-	2.00	Uncoated	<a href="#">#17-600</a>	S\$196.00 <a href="#">Volume Pricing</a>	14 In Stock
12.70	-	2.00	UV-VIS (250-700nm)	<a href="#">#17-601</a>	S\$259.00 <a href="#">Volume Pricing</a>	Contact Us
12.70	-	2.00	VIS-NIR (400-1000nm)	<a href="#">#17-602</a>	S\$259.00 <a href="#">Volume Pricing</a>	4 In Stock
12.70	-	2.00	NIR II (750-1550nm)	<a href="#">#17-603</a>	S\$259.00 <a href="#">Volume Pricing</a>	1 In Stock
12.70	-	2.00	BBAR (1650-3000nm)	<a href="#">#17-604</a>	S\$267.40 <a href="#">Volume Pricing</a>	6 In Stock
12.70	-	2.00	BBAR (2000-5000nm)	<a href="#">#23-512</a>	S\$267.40 <a href="#">Volume Pricing</a>	1 In Stock
15.00	-	2.00	Uncoated	<a href="#">#48-854</a>	S\$211.40 <a href="#">Volume Pricing</a>	Contact Us
15.00	-	2.00	UV-VIS (250-700nm)	<a href="#">#14-803</a>	S\$277.20 <a href="#">Volume Pricing</a>	5 In Stock
15.00	-	2.00	VIS-NIR (400-1000nm)	<a href="#">#14-815</a>	S\$277.20 <a href="#">Volume Pricing</a>	4 In Stock
15.00	-	2.00	NIR II (750-1550nm)	<a href="#">#14-827</a>	S\$277.20 <a href="#">Volume Pricing</a>	5 In Stock

15.00	-	2.00	BBAR (1650-3000nm)	<a href="#">#15-965</a>	S\$280.00 <a href="#">Volume Pricing</a>	5 In Stock
15.00	-	2.00	BBAR (2000-5000nm)	<a href="#">#23-513</a>	S\$280.00 <a href="#">Volume Pricing</a>	4 In Stock
20.00	-	2.00	Uncoated	<a href="#">#63-207</a>	S\$228.20 <a href="#">Volume Pricing</a>	20+ In Stock
20.00	-	2.00	UV-VIS (250-700nm)	<a href="#">#14-804</a>	S\$292.60 <a href="#">Volume Pricing</a>	11 In Stock
20.00	-	2.00	VIS-NIR (400-1000nm)	<a href="#">#14-816</a>	S\$292.60 <a href="#">Volume Pricing</a>	5 In Stock
20.00	-	2.00	NIR II (750-1550nm)	<a href="#">#14-828</a>	S\$292.60 <a href="#">Volume Pricing</a>	20+ In Stock
20.00	-	2.00	BBAR (1650-3000nm)	<a href="#">#15-966</a>	S\$296.80 <a href="#">Volume Pricing</a>	16 In Stock
20.00	-	2.00	BBAR (2000-5000nm)	<a href="#">#23-514</a>	S\$296.80 <a href="#">Volume Pricing</a>	Contact Us
25.00	-	1.00	Uncoated	<a href="#">#22-455</a>	S\$235.20 <a href="#">Volume Pricing</a>	12 In Stock
25.00	-	3.00	Uncoated	<a href="#">#47-683</a>	S\$235.20 <a href="#">Volume Pricing</a>	20+ In Stock
25.00	-	5.00	Uncoated	<a href="#">#22-456</a>	S\$280.00 <a href="#">Volume Pricing</a>	7 In Stock
25.00	-	1.00	UV-VIS (250-700nm)	<a href="#">#22-597</a>	S\$299.60 <a href="#">Volume Pricing</a>	3 In Stock
25.00	-	3.00	UV-VIS (250-700nm)	<a href="#">#14-805</a>	S\$299.60 <a href="#">Volume Pricing</a>	Contact Us
25.00	-	5.00	UV-VIS (250-700nm)	<a href="#">#22-601</a>	S\$344.40 <a href="#">Volume Pricing</a>	5 In Stock
25.00	-	1.00	VIS-NIR (400-1000nm)	<a href="#">#22-598</a>	S\$299.60 <a href="#">Volume Pricing</a>	1 In Stock

25.00	-	3.00	VIS-NIR (400-1000nm)	<a href="#">#14-817</a>	S\$299.60 <a href="#">Volume Pricing</a>	1 In Stock
25.00	-	5.00	VIS-NIR (400-1000nm)	<a href="#">#22-602</a>	S\$344.40 <a href="#">Volume Pricing</a>	4 In Stock
25.00	-	1.00	NIR II (750-1550nm)	<a href="#">#22-599</a>	S\$299.60 <a href="#">Volume Pricing</a>	Contact Us
25.00	-	3.00	NIR II (750-1550nm)	<a href="#">#14-829</a>	S\$299.60 <a href="#">Volume Pricing</a>	5 In Stock
25.00	-	5.00	NIR II (750-1550nm)	<a href="#">#22-603</a>	S\$344.40 <a href="#">Volume Pricing</a>	5 In Stock
25.00	-	1.00	BBAR (1650-3000nm)	<a href="#">#22-600</a>	S\$303.80 <a href="#">Volume Pricing</a>	4 In Stock
25.00	-	3.00	BBAR (1650-3000nm)	<a href="#">#15-967</a>	S\$303.80 <a href="#">Volume Pricing</a>	15 In Stock
25.00	-	5.00	BBAR (1650-3000nm)	<a href="#">#22-604</a>	S\$348.60 <a href="#">Volume Pricing</a>	4 In Stock
25.00	-	1.00	BBAR (2000-5000nm)	<a href="#">#23-515</a>	S\$303.80 <a href="#">Volume Pricing</a>	6 In Stock
25.00	-	3.00	BBAR (2000-5000nm)	<a href="#">#23-516</a>	S\$303.80 <a href="#">Volume Pricing</a>	5 In Stock
25.00	-	5.00	BBAR (2000-5000nm)	<a href="#">#23-517</a>	S\$348.60 <a href="#">Volume Pricing</a>	1 In Stock
-	25.00 x 25.00	3.00	Uncoated	<a href="#">#25-766</a>	S\$284.20 <a href="#">Volume Pricing</a>	7 In Stock
25.40	-	1.00	Uncoated	<a href="#">#22-457</a>	S\$235.20 <a href="#">Volume Pricing</a>	6 In Stock
25.40	-	3.00	Uncoated	<a href="#">#11-874</a>	S\$235.20 <a href="#">Volume Pricing</a>	20+ In Stock
25.40	-	1.00	UV-VIS (250-700nm)	<a href="#">#22-605</a>	S\$299.60 <a href="#">Volume Pricing</a>	Contact Us
25.40	-	3.00	UV-VIS (250-700nm)	<a href="#">#14-806</a>	S\$299.60 <a href="#">Volume Pricing</a>	14 In Stock

25.40	-	1.00	VIS-NIR (400-1000nm)	<a href="#">#22-606</a>	S\$299.60 <a href="#">Volume Pricing</a>	6 In Stock
25.40	-	3.00	VIS-NIR (400-1000nm)	<a href="#">#14-818</a>	S\$299.60 <a href="#">Volume Pricing</a>	2 In Stock
25.40	-	1.00	NIR II (750-1550nm)	<a href="#">#22-607</a>	S\$299.60 <a href="#">Volume Pricing</a>	1 In Stock
25.40	-	3.00	NIR II (750-1550nm)	<a href="#">#14-830</a>	S\$299.60 <a href="#">Volume Pricing</a>	1 In Stock
25.40	-	1.00	BBAR (1650-3000nm)	<a href="#">#22-608</a>	S\$303.80 <a href="#">Volume Pricing</a>	5 In Stock
25.40	-	3.00	BBAR (1650-3000nm)	<a href="#">#15-968</a>	S\$303.80 <a href="#">Volume Pricing</a>	4 In Stock
25.40	-	1.00	BBAR (2000-5000nm)	<a href="#">#23-518</a>	S\$303.80 <a href="#">Volume Pricing</a>	Contact Us
25.40	-	3.00	BBAR (2000-5000nm)	<a href="#">#23-519</a>	S\$303.80 <a href="#">Volume Pricing</a>	20+ In Stock
30.00	-	3.00	Uncoated	<a href="#">#63-208</a>	S\$316.40 <a href="#">Volume Pricing</a>	7 In Stock
30.00	-	3.00	UV-VIS (250-700nm)	<a href="#">#14-807</a>	S\$393.40 <a href="#">Volume Pricing</a>	2 In Stock
30.00	-	3.00	VIS-NIR (400-1000nm)	<a href="#">#14-819</a>	S\$393.40 <a href="#">Volume Pricing</a>	5 In Stock
30.00	-	3.00	NIR II (750-1550nm)	<a href="#">#14-831</a>	S\$393.40 <a href="#">Volume Pricing</a>	11 In Stock
30.00	-	3.00	BBAR (1650-3000nm)	<a href="#">#15-969</a>	S\$397.60 <a href="#">Volume Pricing</a>	11 In Stock
30.00	-	3.00	BBAR (2000-5000nm)	<a href="#">#23-520</a>	S\$397.60 <a href="#">Volume Pricing</a>	5 In Stock
40.00	-	3.00	Uncoated	<a href="#">#63-209</a>	S\$365.40 <a href="#">Volume Pricing</a>	12 In Stock

40.00	-	3.00	UV-VIS (250-700nm)	<a href="#">#14-808</a>	S\$442.40 <a href="#">Volume Pricing</a>	2 In Stock
40.00	-	3.00	VIS-NIR (400-1000nm)	<a href="#">#14-820</a>	S\$442.40 <a href="#">Volume Pricing</a>	2 In Stock
40.00	-	3.00	NIR II (750-1550nm)	<a href="#">#14-832</a>	S\$442.40 <a href="#">Volume Pricing</a>	7 In Stock
40.00	-	3.00	BBAR (1650-3000nm)	<a href="#">#15-970</a>	S\$442.40 <a href="#">Volume Pricing</a>	4 In Stock
40.00	-	3.00	BBAR (2000-5000nm)	<a href="#">#23-521</a>	S\$459.20 <a href="#">Volume Pricing</a>	5 In Stock
50.00	-	1.00	Uncoated	<a href="#">#22-459</a>	S\$413.00 <a href="#">Volume Pricing</a>	11 In Stock
50.00	-	3.00	Uncoated	<a href="#">#47-684</a>	S\$413.00 <a href="#">Volume Pricing</a>	20+ In Stock
50.00	-	1.00	UV-VIS (250-700nm)	<a href="#">#22-609</a>	S\$490.00 <a href="#">Volume Pricing</a>	2 In Stock
50.00	-	3.00	UV-VIS (250-700nm)	<a href="#">#14-809</a>	S\$490.00 <a href="#">Volume Pricing</a>	4 In Stock
50.00	-	1.00	VIS-NIR (400-1000nm)	<a href="#">#22-610</a>	S\$490.00 <a href="#">Volume Pricing</a>	6 In Stock
50.00	-	3.00	VIS-NIR (400-1000nm)	<a href="#">#14-821</a>	S\$490.00 <a href="#">Volume Pricing</a>	9 In Stock
50.00	-	1.00	NIR II (750-1550nm)	<a href="#">#22-611</a>	S\$490.00 <a href="#">Volume Pricing</a>	1 In Stock
50.00	-	3.00	NIR II (750-1550nm)	<a href="#">#14-833</a>	S\$490.00 <a href="#">Volume Pricing</a>	Contact Us
50.00	-	1.00	BBAR (1650-3000nm)	<a href="#">#22-612</a>	S\$490.00 <a href="#">Volume Pricing</a>	3 In Stock
50.00	-	3.00	BBAR (1650-3000nm)	<a href="#">#15-971</a>	S\$490.00 <a href="#">Volume Pricing</a>	Contact Us

50.00	-	1.00	BBAR (2000- 5000nm)	<a href="#">#23-522</a>	S\$512.40 <a href="#">Volume Pricing</a>	5 In Stock
50.00	-	3.00	BBAR (2000- 5000nm)	<a href="#">#23-523</a>	S\$512.40 <a href="#">Volume Pricing</a>	6 In Stock
50.80	-	3.00	Uncoated	<a href="#">#11-875</a>	S\$413.00 <a href="#">Volume Pricing</a>	20+ In Stock
50.80	-	3.00	UV-VIS (250- 700nm)	<a href="#">#14-810</a>	S\$490.00 <a href="#">Volume Pricing</a>	1 In Stock
50.80	-	3.00	VIS-NIR (400- 1000nm)	<a href="#">#14-822</a>	S\$490.00 <a href="#">Volume Pricing</a>	5 In Stock
50.80	-	3.00	NIR II (750- 1550nm)	<a href="#">#14-834</a>	S\$490.00 <a href="#">Volume Pricing</a>	5 In Stock
50.80	-	3.00	BBAR (1650- 3000nm)	<a href="#">#15-972</a>	S\$490.00 <a href="#">Volume Pricing</a>	1 In Stock
50.80	-	3.00	BBAR (2000- 5000nm)	<a href="#">#23-524</a>	S\$512.40 <a href="#">Volume Pricing</a>	Contact Us
75.00	-	5.00	Uncoated	<a href="#">#87-705</a>	S\$1,267.00 <a href="#">Volume Pricing</a>	17 In Stock
75.00	-	5.00	UV-VIS (250- 700nm)	<a href="#">#14-811</a>	S\$1,400.00 <a href="#">Volume Pricing</a>	7 In Stock
75.00	-	5.00	VIS-NIR (400- 1000nm)	<a href="#">#14-823</a>	S\$1,400.00 <a href="#">Volume Pricing</a>	5 In Stock
75.00	-	5.00	NIR II (750- 1550nm)	<a href="#">#14-835</a>	S\$1,400.00 <a href="#">Volume Pricing</a>	4 In Stock
75.00	-	5.00	BBAR (1650- 3000nm)	<a href="#">#15-973</a>	S\$1,386.00 <a href="#">Volume Pricing</a>	6 In Stock
75.00	-	5.00	BBAR (2000- 5000nm)	<a href="#">#23-525</a>	S\$1,435.00 <a href="#">Volume Pricing</a>	Contact Us
100.00	-	6.00	Uncoated	<a href="#">#17-605</a>	S\$2,989.00 <a href="#">Volume Pricing</a>	5 In Stock
125.00	-	6.00	Uncoated	<a href="#">#17-606</a>	S\$5,103.00 <a href="#">Volume Pricing</a>	Contact Us



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