

[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)
TECHSPEC® Silicon (Si) Windows


- Transmission from 1.2 - 7 μ m
- Available Uncoated or AR Coated for 1.65 - 5 μ m
- Ideal for Weight Sensitive Applications

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Edges:	Fine Ground
Knoop Hardness (kg/mm²):	1,150.00	Parallelism (arcmin):	<3
Poisson's Ratio:	0.27	Young's Modulus (GPa):	140

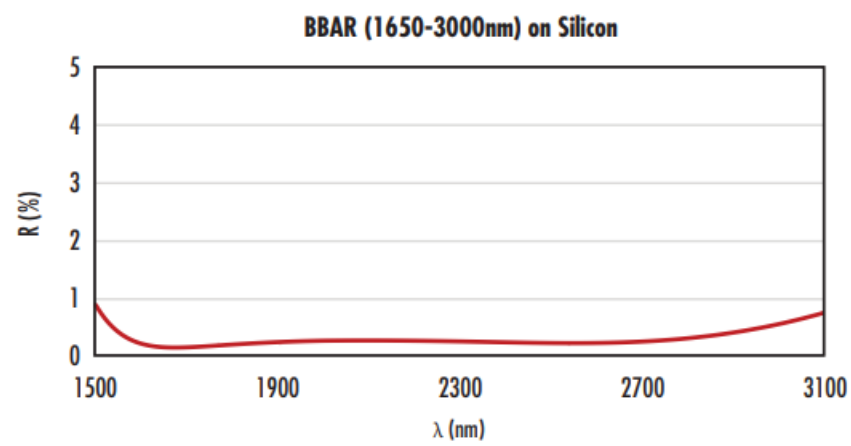
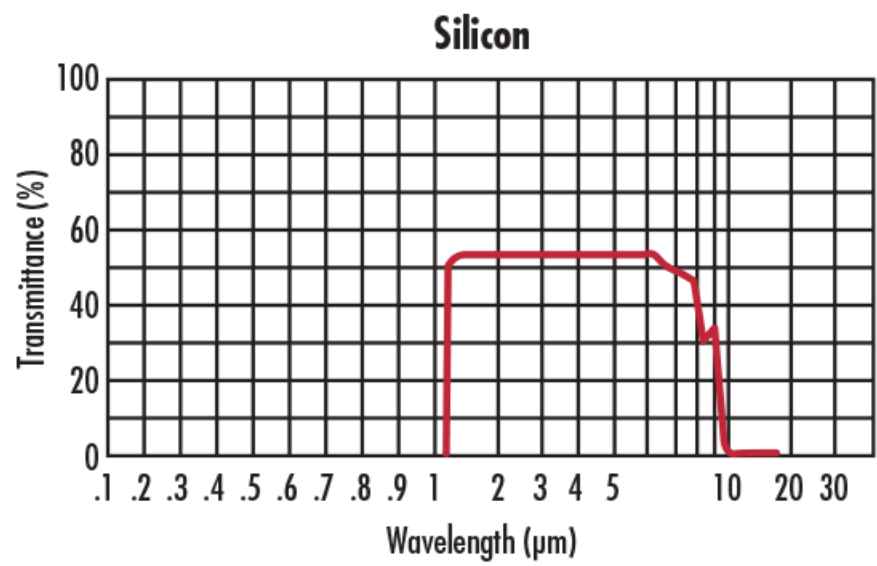
Optical Properties

Index of Refraction (n_d):	3.422 @ 5 μ m	Substrate:	Silicon (Si)
Surface Quality:	60-40		

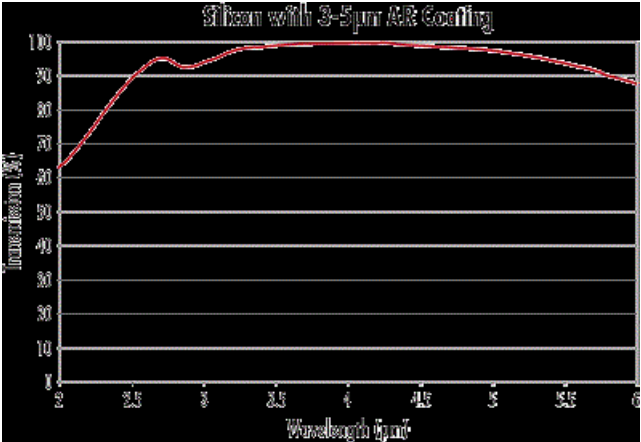
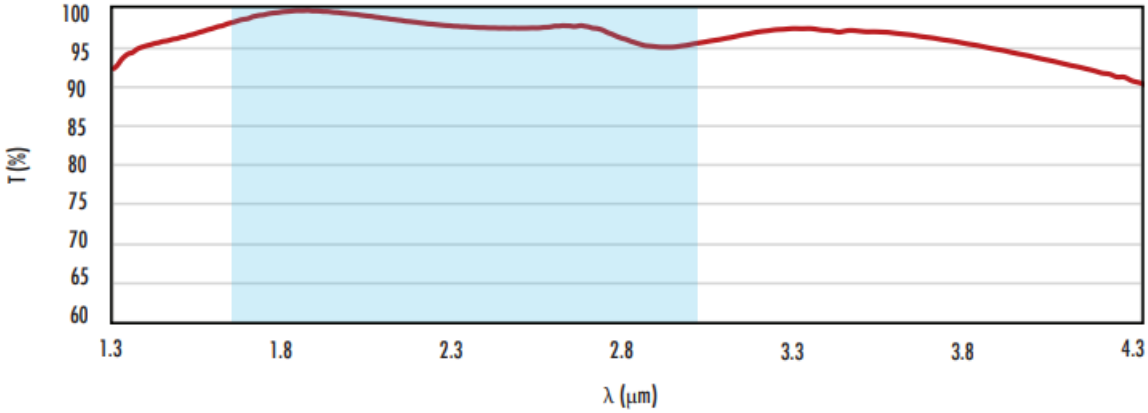
Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	2.55
Density (g/cm³):	2.33

Technical Information



Silicon with 1.65-3μm AR Coating



Products

Dia. (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
10.00	1.50	Uncoated	#68-521	₹8,655 Qty 11+ ₹7,702	10 to 12 days
10.00	1.50	BBAR (1650-3000nm)	#17-195	₹10,416 Qty 11+ ₹9,169	Contact Us
10.00	1.50	BBAR (3000-5000nm)	#47-940	₹11,003 Qty 11+ ₹9,682	10 to 12 days
12.50	2.00	Uncoated	#68-522	₹9,462 Qty 11+ ₹8,362	10 to 12 days
12.50	2.00	BBAR (1650-3000nm)	#17-196	₹11,149 Qty 11+ ₹9,829	Contact Us
12.50	2.00	BBAR (3000-5000nm)	#47-941	₹11,736 Qty 11+ ₹10,416	10 to 12 days
12.70	2.00	Uncoated	#20-017	₹9,462 Qty 11+ ₹8,362	10 to 12 days
12.70	2.00	BBAR (1650-3000nm)	#20-027	₹11,149 Qty 11+ ₹9,829	10 to 12 days
12.70	2.00	BBAR (3000-5000nm)	#20-034	₹13,863 Qty 11+ ₹12,249	10 to 12 days
25.00	1.00	Uncoated	#68-523	₹11,736 Qty 11+ ₹10,416	10 to 12 days
25.00	1.00	BBAR (1650-3000nm)	#17-197	₹14,450 Qty 11+ ₹12,763	10 to 12 days
25.00	1.00	BBAR (3000-5000nm)	#68-524	₹15,770 Qty 11+ ₹13,937	10 to 12 days
25.00	2.00	Uncoated	#68-525	₹11,736 Qty 11+ ₹10,416	10 to 12 days

25.00	2.00	BBAR (1650-3000nm)	#17-198	₹14,450 Qty 11+ ₹12,763	10 to 12 days
25.00	2.00	BBAR (3000-5000nm)	#68-526	₹15,770 Qty 11+ ₹13,937	Contact Us
25.00	3.00	Uncoated	#68-527	₹11,736 Qty 11+ ₹10,416	10 to 12 days
25.00	3.00	BBAR (1650-3000nm)	#17-199	₹14,450 Qty 11+ ₹12,763	10 to 12 days
25.00	3.00	BBAR (3000-5000nm)	#47-942	₹15,770 Qty 11+ ₹13,937	10 to 12 days
25.40	1.00	Uncoated	#20-018	₹11,736 Qty 11+ ₹10,416	10 to 12 days
25.40	1.00	BBAR (1650-3000nm)	#20-028	₹14,450 Qty 11+ ₹12,763	10 to 12 days
25.40	1.00	BBAR (3000-5000nm)	#20-035	₹15,770 Qty 11+ ₹13,937	10 to 12 days

[#20-019 Clearance](#)



Clearance

25.40	2.00	Uncoated	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹11,736 Qty 11+ ₹10,416	10 to 12 days
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[#20-029 Clearance](#)



Clearance

25.40	2.00	BBAR (1650-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹14,450 Qty 11+ ₹12,763	10 to 12 days
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25.40	3.00	Uncoated	#20-020	₹11,736 Qty 11+ ₹10,416	Contact Us
25.40	3.00	BBAR (1650-3000nm)	#20-030	₹14,450 Qty 11+ ₹12,763	10 to 12 days
25.40	3.00	BBAR (3000-5000nm)	#20-038	₹15,770 Qty 11+ ₹13,937	10 to 12 days
30.00	2.00	Uncoated	#33-135	₹16,137 Qty 11+ ₹14,303	10 to 12 days
30.00	2.00	BBAR (1650-3000nm)	#17-200	₹19,291 Qty 11+ ₹17,017	10 to 12 days
30.00	2.00	BBAR (3000-5000nm)	#33-136	₹21,565 Qty 11+ ₹19,071	Contact Us
50.00	1.00	Uncoated	#68-528	₹21,785 Qty 11+ ₹19,218	10 to 12 days
50.00	1.00	BBAR (1650-3000nm)	#17-201	₹25,819 Qty 11+ ₹22,812	10 to 12 days
50.00	1.00	BBAR (3000-5000nm)	#68-529	₹29,267 Qty 11+ ₹25,819	10 to 12 days
50.00	2.00	Uncoated	#68-530	₹21,785 Qty 11+ ₹19,218	10 to 12 days
50.00	2.00	BBAR (1650-3000nm)	#17-202	₹25,819 Qty 11+ ₹22,812	10 to 12 days

50.00	2.00	BBAR (3000-5000nm)	#68-531	₹29,267 Qty 11+ ₹25,819	10 to 12 days
50.00	3.00	Uncoated	#68-532	₹21,785 Qty 11+ ₹19,218	10 to 12 days
50.00	3.00	BBAR (1650-3000nm)	#17-203	₹25,819 Qty 11+ ₹22,812	10 to 12 days
50.00	3.00	BBAR (3000-5000nm)	#47-943	₹29,267 Qty 11+ ₹25,819	10 to 12 days
50.80	1.00	Uncoated	#20-023	₹21,785 Qty 11+ ₹19,218	10 to 12 days
50.80	1.00	BBAR (1650-3000nm)	#20-031	₹25,819 Qty 11+ ₹22,812	10 to 12 days
50.80	1.00	BBAR (3000-5000nm)	#20-039	₹29,267 Qty 11+ ₹25,819	10 to 12 days

[#20-024 Clearance](#)



Clearance

50.80	2.00	Uncoated	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹21,785 Qty 11+ ₹19,218	10 to 12 days
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[#20-032 Clearance](#)



Clearance

50.80	2.00	BBAR (1650-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹25,819 Qty 11+ ₹22,812	10 to 12 days
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[#20-040 Clearance](#)



Clearance

50.80	2.00	BBAR (3000-5000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	₹29,267 Qty 11+ ₹25,819	10 to 12 days
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50.80	3.00	Uncoated	#20-026	₹21,785 Qty 11+ ₹19,218	10 to 12 days
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50.80	3.00	BBAR (1650-3000nm)	#20-033	₹25,819 Qty 11+ ₹22,812	10 to 12 days
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50.80	3.00	BBAR (3000-5000nm)	#20-041	₹29,267 Qty 11+ ₹25,819	10 to 12 days
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