

**TECHSPEC® 25.4mm Dia. x 2.0mm Thickness Uncoated, Silicon Window**



TECHSPEC Silicon (Si) Windows

Stock #20-019 CLEARANCE **11 In Stock**

⊖ 1 ⊕ €123<sup>95</sup>

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Volume Pricing	
Qty 1+	€123,95 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Protective Window **Type:**  
Crystal **Type of Window:**

**Physical & Mechanical Properties**

22.86 **Clear Aperture CA (mm):**  
**Diameter (mm):**

25.40 +0.0/-0.1

Thickness (mm):  
2.00 ±0.1

Parallelism (arcmin):  
<3

Bevel:  
Protective as needed

Clear Aperture (%):  
90.00

Edges:  
Fine Ground

Poisson's Ratio:  
0.27

Young's Modulus (GPa):  
140

Knoop Hardness (kg/mm<sup>2</sup>):  
1,150.00

## Optical Properties

Coating:  
Uncoated

Substrate:   
Silicon (Si)

Index of Refraction (n<sub>d</sub>):  
3.422 @ 5µm

Surface Quality:  
60-40

Wavelength Range (nm):  
1200 - 7000

Surface Flatness (P-V):  
1λ

## Material Properties

Density (g/cm<sup>3</sup>):  
2.33

Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):  
2.55

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

Reach 240:  
[Compliant](#)

## Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

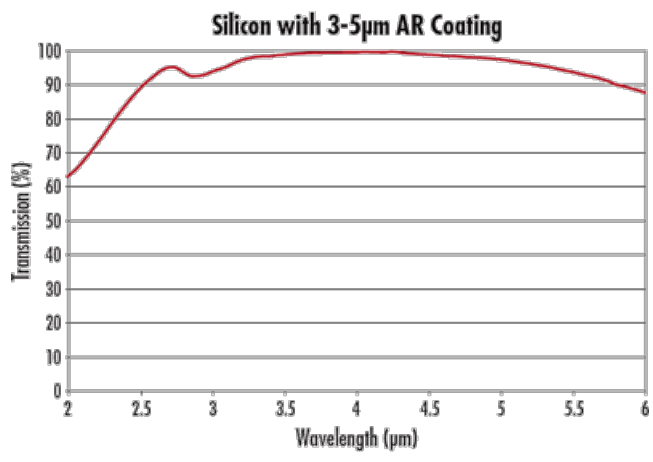
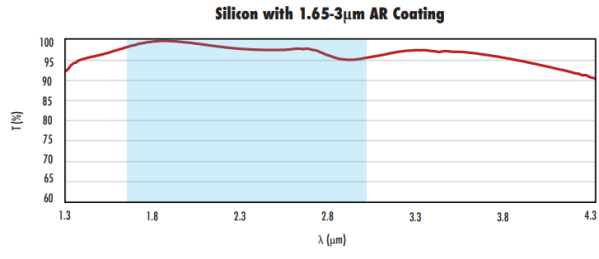
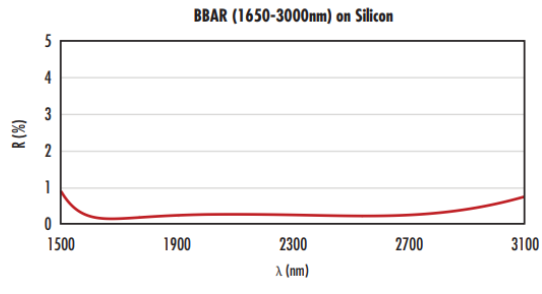
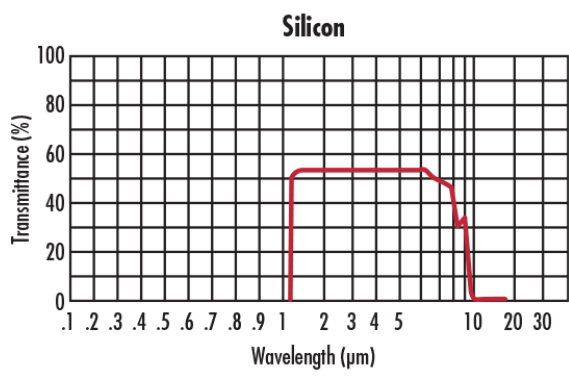
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

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

TECHSPEC® Silicon (Si) Windows manufactured from optical grade silicon are popular for the 1.2 - 7µm spectral region due to their low cost and low density. Due to its low density (half that of [germanium](#) or [zinc selenide](#)), silicon is ideal for weight sensitive applications, especially those in the 1.65 - 5µm region. Density is 2.329 g/cm<sup>3</sup> and Knoop Hardness is 1150, making it harder and less brittle than germanium. TECHSPEC® Silicon (Si) Windows available uncoated or AR coated for 1.65 - 5µm. These crystal windows are offered in diameters ranging from 10 – 76.20mm.

## Technical Information



## Compatible Mounts