

TECHSPEC<sup>®</sup> 25mm Dia. x 3.0mm Thickness Uncoated, Silicon Window



TECHSPEC Silicon (Si) Windows

Stock **#68-527** **2 In Stock**

-

1

+

€175<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €175,00 each                  |
| Qty 11-25      | €155,00 each                  |
| Qty 26-49      | €145,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Protective Window

Type:

Physical & Mechanical Properties

Protective as needed

Bevel:

Clear Aperture (%):

|                 |                          |
|-----------------|--------------------------|
| 90.00           |                          |
| 22.50           | Clear Aperture CA (mm):  |
| 25.00 +0.0/-0.1 | Diameter (mm):           |
| 3.00 ±0.1       | Thickness (mm):          |
| Fine Ground     | Edges:                   |
| 1,150.00        | Knoop Hardness (kg/mm²): |
| <3              | Parallelism (arcmin):    |
| 0.27            | Poisson's Ratio:         |
| 140             | Young's Modulus (GPa):   |

|                    |                                        |
|--------------------|----------------------------------------|
| Optical Properties |                                        |
| Uncoated           | Coating:                               |
| 3.422 @ 5µm        | Index of Refraction (n <sub>d</sub> ): |
| Silicon (Si)       | Substrate:                             |
| 1λ                 | Surface Flatness (P-V):                |
| 60-40              | Surface Quality:                       |
| 1200 - 7000        | Wavelength Range (nm):                 |

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Material Properties |                                                              |
| 2.55                | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |
| 2.33                | Density (g/cm³):                                             |

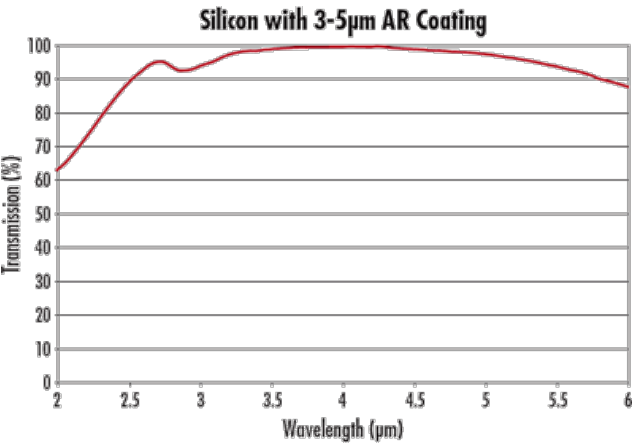
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 219:                  |
| View                  | Certificate of Conformance: |

## 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/cm³ 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



# Custom

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](#).

## Compatible Mounts

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