

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



TECHSPEC Silicon (Si) Windows

Stock **#68-527** **5 In Stock**

-

1

+

₹11,736

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹11,736 each                  |
| Qty 11-25      | ₹10,416 each                  |
| Qty 26-49      | ₹9,756 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:  
Protective Window

Physical & Mechanical Properties

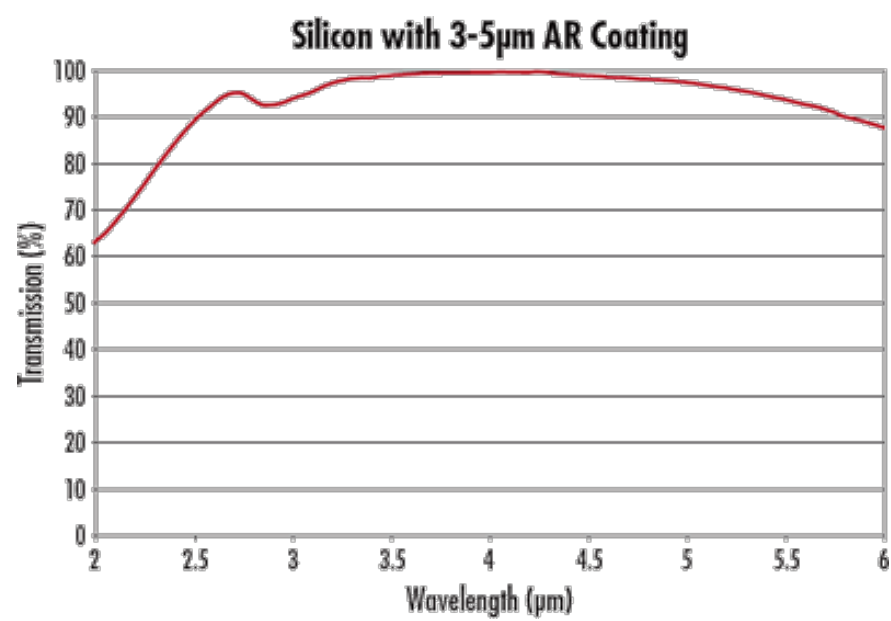
|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
|                       |                                                              |
| Protective as needed  | Bevel:                                                       |
| 90.00                 | Clear Aperture (%):                                          |
|                       |                                                              |
| 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/mm <sup>2</sup> ):                        |
|                       |                                                              |
| <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/cm <sup>3</sup> ):                                |
|                       |                                                              |
| 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/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



## 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