

TECHSPEC® 25mm Dia. x 2.0mm Thickness Uncoated, Silicon Window



TECHSPEC Silicon (Si) Windows

Stock #68-525 14 In Stock

-

1

+

£140⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	£140.00 each
Qty 11-25	£124.00 each
Qty 26-49	£116.00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

22.50

Diameter (mm):

25.00 +0.0/-0.1	
Thickness (mm):	2.00 ±0.1
Parallelism (arcmin):	<3
Dimensional Tolerance (mm):	+0.0/-0.1
Bevel:	Protective as needed
Clear Aperture (%):	90.00
Edges:	Fine Ground
Poisson's Ratio:	0.27
Young's Modulus (GPa):	140
Knoop Hardness (kg/mm²):	1,150.00

Optical Properties

Coating:	Uncoated
Substrate: ☐	Silicon (Si)
Index of Refraction (n _d):	3.422 @ 5µm
Surface Quality:	60-40
Wavelength Range (nm):	1200 - 7000
Surface Flatness (P-V):	1λ

Material Properties

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

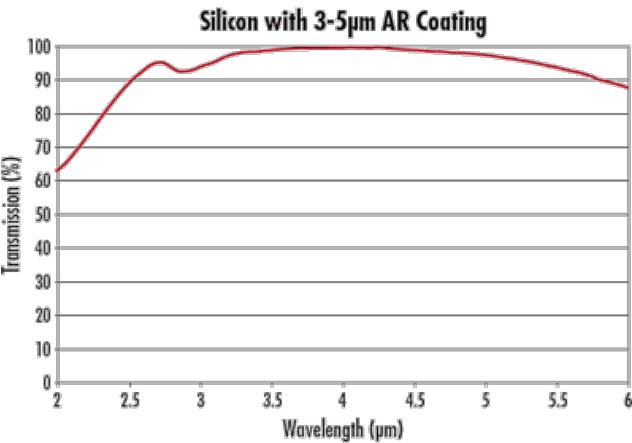
Regulatory Compliance

RoHS 2015:	Compliant
Reach 219:	Compliant
Certificate of Conformance:	View

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
