

TECHSPEC® 50mm Dia. x 2mm Thick, 8-12µm AR Coated, Ge Window



Germanium (Ge) Windows

Stock **#83-358** 3-4 DAYS

⊖ 1 ⊕ **£791.35**

ADD TO CART

Qty 1-10

£791.35

Qty 11+

£712.30

Volume Pricing

[Request Quote](#)

⚠ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Bevel:
Protective as needed

Clear Aperture (%):
90.00

Clear Aperture CA (mm):
45.00

Diameter (mm): 50.00 +0.0/-0.1
Thickness (mm): 2.00 ±0.1
Coating: BBAR (8000-12000nm)
Coating Specification: R_{avg} <3.0% @ 8 - 12µm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 6.1
Density (g/cm³): 5.33
Edges: Fine Ground
Index of Refraction n_d: 4.002 @ 11µm
Knoop Hardness (kg/mm²): 780
Parallelism (arcmin): <1
Poisson's Ratio: 0.28
Substrate: Germanium (Ge)
Surface Flatness (P-V): λ/10 @ 10.6µm
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 8000 - 12000
Young's Modulus (GPa): 102.7

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant