

TECHSPEC® 50mm Dia. x 1mm Thick, Uncoated, Ge Window



Germanium (Ge) Windows

Stock **#83-345** 10 TO 12 DAYS

⊖ 1 ⊕

₹58,203.00

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Qty 1-10
₹58,203.00
Qty 11+
₹52,374.00
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Bevel:
Protective as needed

Clear Aperture (%):
90.00

Clear Aperture CA (mm):
45.00

Diameter (mm): 50.00 +0.0/-0.1
Thickness (mm): 1.00 ±0.1
Coating: Uncoated
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): 2000 - 14000
Young's Modulus (GPa): 102.7

Regulatory Compliance

RoHS 2015: Compliant
Reach 224: Compliant
Certificate of Conformance: View