

TECHSPEC® 12.5mm Dia. x 3mm Thick, 8-12µm AR Coated, Ge Window



Germanium (Ge) Windows

Stock #83-354 3-5 DAYS

⊖ 1 ⊕ **A\$500.80**

ADD TO CART

Qty 1-10

A\$500.80

Qty 11+

A\$450.80

Volume Pricing

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Bevel:
Protective as needed

Clear Aperture (%):
90.00

Clear Aperture CA (mm):
11.25

Diameter (mm):
12.50 +0.0/-0.1

Thickness (mm):
3.00 ±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](#)