

SCHOTT AS87ECO, 50.8 x 76.2mm, 0.1mm Thick, Ultra-Thin Window

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C\$68⁰⁰

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General

Type:

Protective Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

45.72 x 68.58

Dimensions (mm):

50.80 x 76.20 ±0.127

Thickness (mm):

0.10 ±0.01	
76.20	Length (mm):
50.80	Width (mm):
Protective as needed	Bevel:
90	Clear Aperture (%):
0.22	Poisson's Ratio:
73.3	Young's Modulus (GPa):
500.00	Knoop Hardness (kg/mm²):

Optical Properties

Uncoated	Coating:
AS 87 ECO	Substrate: □
1.504	Index of Refraction (n _d):
80-50	Surface Quality:
59.5	Abbe Number (v _d):
200 - 3200	Wavelength Range (nm):

Material Properties

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

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

Product Details

- High Level of Flexibility
- Ultra-Thin Thickness for Low Profile Designs
- Excellent Transmission from 250nm to >3µm

SCHOTT AS 87 ECO Ultra-Thin Windows feature an extremely thin and flexible design for applications requiring a rugged, low profile. These windows have excellent mechanical properties, including a high bending and impact strength, minimizing the possibility of damage under normal operating conditions. They also provide excellent transmission from the UV to the IR, enabling integration into applications that range from biomedical to IR imaging. SCHOTT AS 87 ECO Ultra-Thin Windows are manufactured through a draw-down process that virtually eliminates surface defects and provides the glass surfaces with an extremely low surface roughness. Common applications include their use as a cover glass for displays, fingerprint sensors, and touch panels, where their high scratch resistance prevents surface damage.

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