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SCHOTT AS87ECO, 25.4 x 254mm, 0.1mm Thick, Ultra-Thin Window

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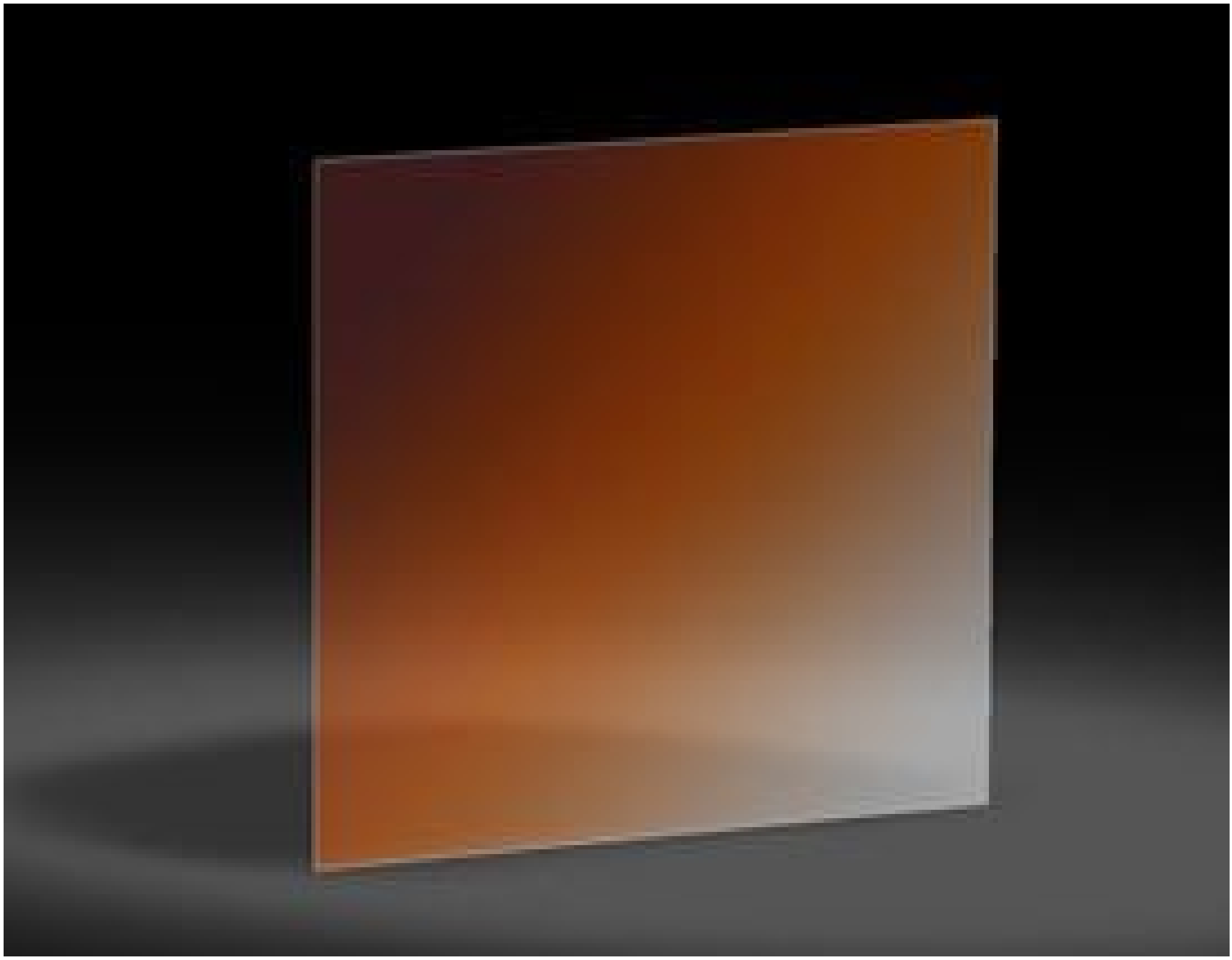

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General

Type:
Protective Window

Type of Window:
Glass

Physical & Mechanical Properties

Clear Aperture CA (mm):
22.86 x 228.60

Dimensions (mm):
25.40 x 254.00

Thickness (mm):
0.10 ±0.01

Length (mm):
254.00

Width (mm):
25.40

Bevel:
Protective as needed

Clear Aperture (%):
90

Poisson's Ratio:
0.22

Young's Modulus (GPa):
73.3

Knoop Hardness (kg/mm^2):
500.00

Optical Properties

Coating:
Uncoated

Substrate:
AS 87 ECO

Index of Refraction (n_d):
1.504

Surface Quality:
80-50

Abbe Number (v_d):
59.5

Wavelength Range (nm):
200 - 3200

Material Properties

Density (g/cm^3):
2.46

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
8.7

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

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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