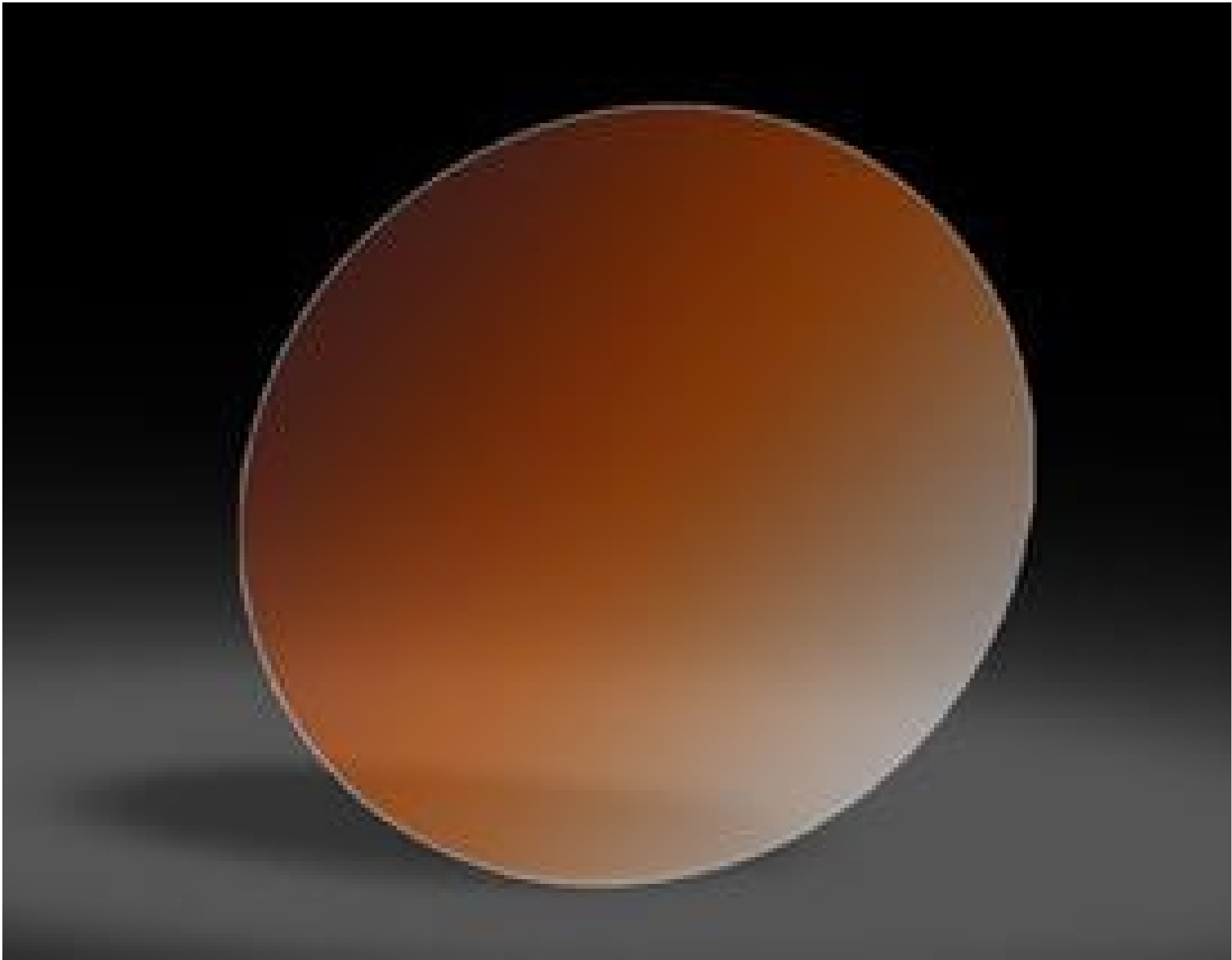


SCHOTT AS87ECO, 50mm Dia., 0.1mm Thick, Ultra-Thin Window

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Stock #20-215 17 In Stock

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1

+

€40⁰⁹

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Qty 1-10	€40,69 each
Qty 11-49	€32,70 each
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SPECIFICATIONS

General

Type:

Protective Window

Physical & Mechanical Properties

Bevel:	
Protective as needed	
Clear Aperture (%):	
90	
Clear Aperture CA (mm):	
45.00	
Diameter (mm):	
50.00 ±0.127	
Thickness (mm):	
0.10 ±0.01	
Knoop Hardness (kg/mm²):	
500.00	
Poisson's Ratio:	
0.22	
Young's Modulus (GPa):	
73.3	
Optical Properties	
Abbe Number (v _d):	
59.5	
Coating:	
Uncoated	
Index of Refraction (n _d):	
1.504	
Substrate:	
AS 87 ECO	
Surface Quality:	
80-50	
Wavelength Range (nm):	
200 - 3200	
Material Properties	
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	
8.7	
Density (g/cm³):	
2.46	
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 247:	
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 Wndows 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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