

[See all 29 Products in Family](#)

# SCHOTT AS87ECO, 10mm Dia., 0.1mm Thick, Ultra-Thin Window

See More by [SCHOTT Optical Components](#)



Stock #20-208 **20+ In Stock**

- 1 + MRP ₹3,481

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹3,481 each
Qty 11-49	₹2,825 each
Need More?	<a href="#">Request Quote</a>

## Product Downloads

### General

Protective Window **Type:**

Glass **Type of Window:**

### Physical & Mechanical Properties

9.00 **Clear Aperture CA (mm):**

10.00 ±0.127	<b>Diameter (mm):</b>
0.10 ±0.01	<b>Thickness (mm):</b>
Protective as needed	<b>Bevel:</b>
90	<b>Clear Aperture (%):</b>
0.22	<b>Poisson's Ratio:</b>
73.3	<b>Young's Modulus (GPa):</b>
500.00	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>

## Optical Properties

Uncoated	<b>Coating:</b>
<a href="#">AS 87 ECO</a>	<b>Substrate:</b> <input type="checkbox"/>
1.504	<b>Index of Refraction (n<sub>d</sub>):</b>
80-50	<b>Surface Quality:</b>
59.5	<b>Abbe Number (v<sub>d</sub>):</b>
200 - 3200	<b>Wavelength Range (nm):</b>

## Material Properties

2.46	<b>Density (g/cm<sup>3</sup>):</b>
8.7	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>
United States	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

## 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.

**Quote Your Size**