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› uxcell Watch Glass Sapphire Crystal Lens Single Dome Round 21mm Dia. 1.3mm Edge Thickness Replacement Parts, Clear User Manual

uxcell a21121100ux0267

uxcell Watch Glass Sapphire Crystal Lens User Manual

Model: a21121100ux0267

PRODUCT OVERVIEW

The uxcell Watch Glass Sapphire Crystal Lens is a replacement part designed for watches. It features a single dome shape and is made from sapphire crystal glass, known for its durability and clarity.



Image: A clear, round, single dome sapphire crystal watch lens, viewed from above, showcasing its transparent and smooth surface.

This lens is highly transparent with rounded and smooth edges, ensuring a comfortable feel and preventing scratches during handling. Its sapphire crystal composition provides excellent transparency, a smooth surface, high temperature resistance, scratch resistance, and wear resistance, making it clearer and more aesthetically pleasing than standard flat glass.

Unlike ordinary optical glass which may have a green light transmitting layer, this sapphire glass features a white interlayer light transmitting layer.

SPECIFICATIONS

Feature	Detail
Material	Sapphire Crystal Glass
Shape	Single Dome

Feature	Detail
Diameter	21mm / 0.83-inch
Edge Thickness	1.3mm / 0.05-inch
Package Dimensions	5.55 x 3.94 x 0.59 inches
Item Weight	0.67 ounces
Model Number	a21121100ux0267

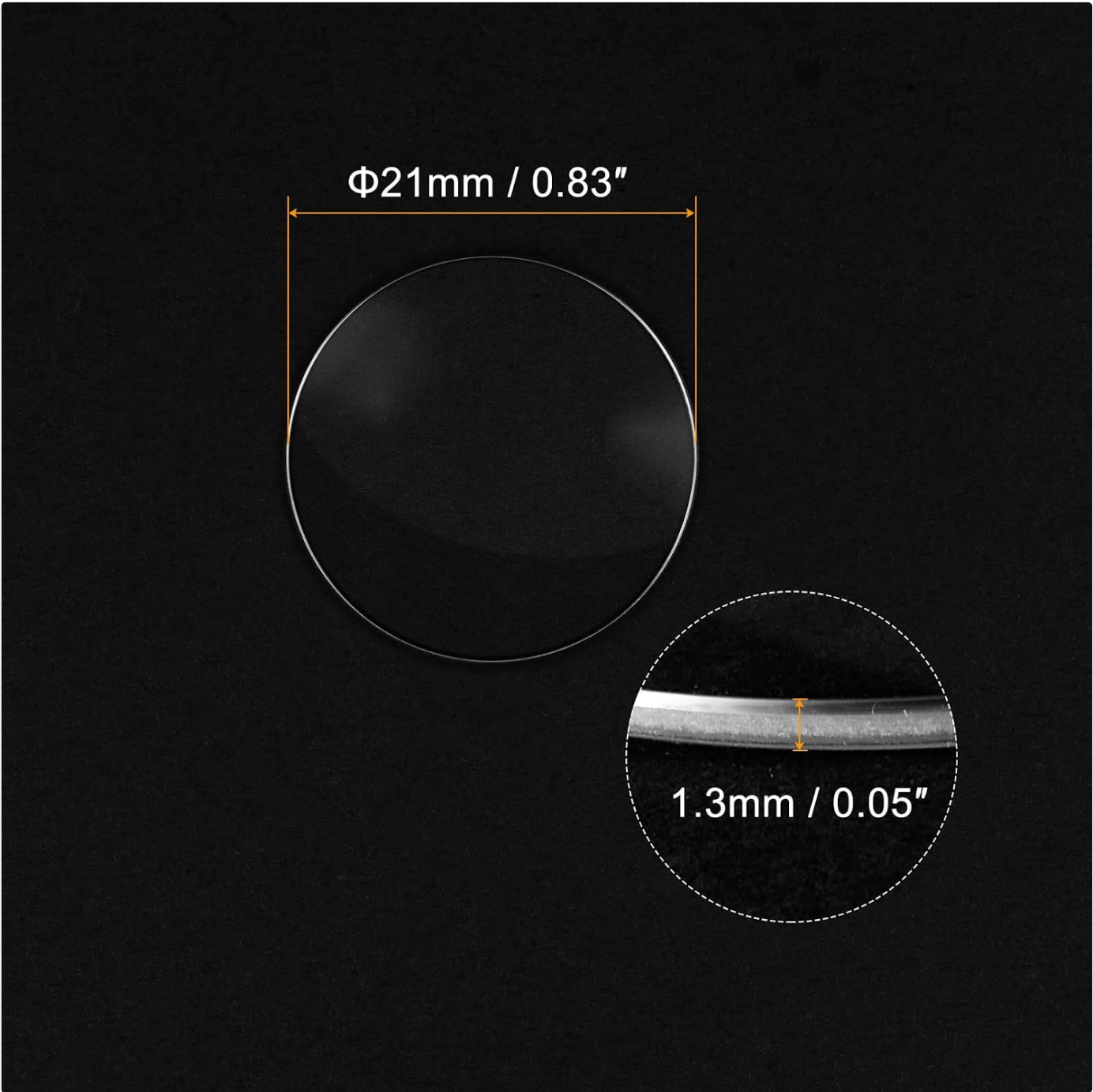


Image: A diagram illustrating the precise dimensions of the watch lens, indicating a diameter of 21mm (0.83 inches) and an edge thickness of 1.3mm (0.05 inches).

SETUP AND INSTALLATION

Accurate measurement is crucial for proper installation. Before purchasing or attempting to install, it is essential to

measure the existing watch glass lens from your watch.

Measuring Your Watch Lens:

- 1. **Remove the existing watch glass lens:**Carefully remove the broken or old watch lens from your watch.
- 2. **Use a caliper for accurate measurement:** Lay the glass lens flat and use a vernier caliper to measure its diameter.
- 3. **Measure edge thickness:** Use the caliper to accurately measure the edge thickness of the lens.

Common Round Watch Glass Len Measuring Methods

Measuring Tools	Vernier caliper
Glass Len Type	Flat

Tip: If the glass len diameter error is 0.1mm, it cannot be installed. Please measure accurately.

Flat glass len is flat on both the top and bottom.



1. Lay the glass len flat and measure the diameter.

2. Measure the edge thickness.

Image: A visual guide demonstrating how to accurately measure a watch lens using a digital caliper. The first step shows measuring the diameter of the flat lens, and the second step shows measuring its edge thickness.

Important Notice: The lens diameter tolerance is $\pm 0.05\text{mm}$. Always use a caliper for precise measurements. Avoid using low-precision tools such as soft rulers, standard rulers, or measuring software, as these can lead to inaccurate readings and improper fit. The marked size of the lens does not include the waterproof ring, which typically adds 0.5mm to the diameter.

Once the correct size is confirmed, the new sapphire crystal lens can be installed. The installation process is generally straightforward for watch repair professionals or individuals with appropriate tools and experience.

OPERATING CHARACTERISTICS

Once installed, the single dome sapphire crystal lens functions as the protective cover for your watch face. Its primary characteristics include:

- **Magnifying and Focusing:** The single dome shape inherently provides a slight magnifying and focusing effect, enhancing the readability of the watch dial.
- **Clarity and Transparency:** The sapphire crystal material ensures exceptional clarity, allowing for an unobstructed view of the watch face.
- **Durability:** High resistance to scratches and wear, maintaining its pristine appearance over time.



Image: A watch with a single dome lens installed, demonstrating the magnifying and focusing function of the lens on the watch dial. The image highlights how the dome shape enhances visibility.

MAINTENANCE

Maintaining the clarity and longevity of your sapphire crystal watch lens is simple:

- **Cleaning:** After prolonged use, the lens can be easily cleaned by wiping it with a soft cloth.
- **Avoid Harsh Materials:** Do not use paper or overly hard cloths for cleaning, as these can potentially scratch the surface of the glass and affect its appearance.



There is a green light transmitting layer in the middle of ordinary optical glass, and this sapphire glass interlayer light transmitting layer is white, not blue.

Image: A sapphire watch crystal lens resting on a dark surface, accompanied by text explaining that its light transmitting layer is white, distinguishing it from the green layer found in ordinary optical glass.

TROUBLESHOOTING

The most common issue encountered with watch lens replacement is an incorrect fit. Adhering to precise measurement guidelines can prevent most problems.

Common Issues and Solutions:

- **Lens Does Not Fit:**

If the glass lens diameter error is as little as 0.1mm, it cannot be properly installed. This is why accurate measurement with a caliper is critical. Re-measure your watch's required lens dimensions carefully before

attempting another installation or purchasing a different size.

- **Scratches on Lens:**

While sapphire crystal is highly scratch-resistant, it is not entirely scratch-proof. Avoid contact with extremely hard materials like diamonds. For cleaning, always use a soft cloth to prevent surface damage.

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For further assistance, please visit the [uxcell Store on Amazon](#).

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question