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## 5µm Aperture Diameter, Mounted, Precision Pinhole



5µm Aperture Diameter, Mounted, Precision Pinhole, #56-274

Stock **#56-274** **14 In Stock**

⊖ 1 ⊕ **S\$137<sup>00</sup>**

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### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1-5    | <b>S\$137.90</b> each         |
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| Qty 11+    | <b>S\$112.98</b> each         |
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### Product Downloads

### General

Mounted **Type:**

### Physical & Mechanical Properties

25 +0.4/-0.000 **Outer Diameter (mm):**

Stainless Steel **Construction:**

|              |                                      |
|--------------|--------------------------------------|
| 5            | <b>Fixed Aperture Diameter (µm):</b> |
| 0.01 Nominal | <b>Thickness (mm):</b>               |
| ±1           | <b>Aperture Tolerance (µm):</b>      |
| ±125         | <b>Aperture Centration (µm):</b>     |

### Threading & Mounting

|            |                              |
|------------|------------------------------|
| 1.25 ±0.05 | <b>Mount Thickness (mm):</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>                  |

## Product Details

- Available in Aperture Mounts for a Secure Mechanical Support
- Pinhole Sized Ranging from 1 to 1,000 Microns
- [High Power Apertures](#) Available

### Unmounted Precision Pinholes

Precision Pinholes are high quality apertures centered to ±0.002" (50 microns). They are constructed of stainless steel and are 3/8" (9.5mm) in diameter. Smaller diameter pinholes will reduce energy throughput, while larger diameter pinholes will pass more spatial noise. Precision pinholes have sizes ranging from 1 to 1,000 microns. Typical applications include leak detection, aerosol studies, holography, fiber optics guides, spatial filtering, research, and more.

Use the [Precision Pinhole Mount](#) to integrate unmounted pinholes into a variety of mechanical components easily.

### Mounted Precision Pinholes

Precision Pinholes are available in aperture mounts for secure mechanical support. The mounts also fit into various optical assemblies. Each 9.5mm diameter pinhole is sealed within a 25mm diameter black-anodized aluminum mount. The mount is clearly labeled with a pinhole aperture diameter for easy identification.

**Note:** Aperture Centering to Mount ±125 microns.

Edmund Optics offers a wide selection of precision pinholes for leak detection, aerosol studies, holography, fiber optic guides, spatial filtering, research, and more. These pinholes are available in a range of diameters and are ideal for controlling light propagation. Each pinhole is manufactured using high-accuracy techniques, providing consistent circular aperture geometry and high edge quality. Available in both mounted and unmounted formats, these pinholes support a variety of optical setups, from experimental labs to industrial environments.

## Technical Information

