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# 100µm Aperture Diameter, 12.7mm Mounted, Acktar Blackened Pinhole

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Acktar Blackened Pinholes (mounted)



Stock #16-824 **4 In Stock**

A\$308<sup>00</sup>

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Volume Pricing	
Qty 1-9	A\$308.80 each
Qty 10+	A\$277.92 each
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**General**

Mounted Type:

PA-1-2-100-05 Model Number:

**Physical & Mechanical Properties**

12.7 ±0.2	<b>Outer Diameter (mm):</b>
Stainless Steel	<b>Construction:</b>
100 ±3	<b>Fixed Aperture Diameter (µm):</b>
20 nominal	<b>Thickness (µm):</b>

### Optical Properties

Magic Black™	<b>Coating:</b>
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### Threading & Mounting

12.7 ±0.2	<b>Diameter of Mount (mm):</b>
2.0 ±0.1	<b>Mount Thickness (mm):</b>

### Material Properties

99	<b>Absorbance (%):</b>
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### 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

- Low Reflectance from the EUV to SWIR
- 99% Absorbance Blackening Coating
- Aperture Sizes from 20 to 1000µm
- Available Unmounted and Mounted

Acktar Blackened Pinholes feature Acktar Magic Black™ blackening coating that provides wide-band low reflectance from the extreme ultraviolet (EUV) to the short-wave infrared (SWIR). This coating provides near zero outgassing and can be used in temperatures up to 380°C. Acktar Blackened Pinholes are coated on both sides, including the pinhole edge, and are available either unmounted or mounted in a 25mm mount for easy integration into optical systems. These stainless steel substrate pinholes are ideal for spatial filtering applications requiring low back reflection and scattering from light sources.

Note: Please [contact us](#) for custom aperture options.

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).