

# 50µm Aperture Diameter, 12.7mm Mounted, Acktar Blackened Pinhole

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Acktar Blackened Pinholes (mounted)



Stock **#16-822** 20+ In Stock

-

1

+

C\$264<sup>25</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | C\$264.25 each                |
| Qty 10+        | C\$237.83 each                |
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| Product Downloads |
|-------------------|
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## SPECIFICATIONS

General

Type:

Mounted

|                                  |                               |
|----------------------------------|-------------------------------|
| PA-1-2-50-05                     | Model Number:                 |
| Physical & Mechanical Properties |                               |
| 12.7 ±0.2                        | Outer Diameter (mm):          |
| Stainless Steel                  | Construction:                 |
| 50 ±3                            | Fixed Aperture Diameter (µm): |
| 20 nominal                       | Thickness (µm):               |
| Optical Properties               |                               |
| Magic Black™                     | Coating:                      |
| Threading & Mounting             |                               |
| 12.7 ±0.2                        | Diameter of Mount (mm):       |
| 2.0 ±0.1                         | Mount Thickness (mm):         |
| Material Properties              |                               |
| 99                               | Absorbance (%):               |
| Regulatory Compliance            |                               |
| Compliant                        | RoHS 2015:                    |
| View                             | Certificate of Conformance:   |
| Compliant                        | Reach 247:                    |

## 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](#).