

[See all 35 Products in Family](#)

50µm Aperture Diameter, Unmounted, Acktar Blackened Pinhole

See More by [Acktar](#)



Acktar Blackened Pinholes (unmounted)



Stock **#12-166** **1 In Stock**

-

1

+

C\$253⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-9	C\$253.40 each
Qty 10+	C\$228.06 each
Need More?	Request Quote

Product Downloads

General	
Unmounted	Type:
PA-1-2-50	Model Number:
Physical & Mechanical Properties	

9.53 ±0.1	Outer Diameter (mm):
Stainless Steel	Construction:
50 ±3	Fixed Aperture Diameter (µm):
17 nominal	Thickness (µm):

Optical Properties

Magic Black™	Coating:
--------------	----------

Material Properties

99	Absorbance (%):
----	-----------------

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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](#).

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.