

25.0 ±0.2	Outer Diameter (mm):
Stainless Steel	Construction:
3.0	Slit Length (mm):
500 ±5	Slit Width (µm):

0.02 nominal	Thickness (mm):
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Optical Properties

Magic Black™	Coating:
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Threading & Mounting

25.0 ±0.2	Diameter of Mount (mm):
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3.0 ±0.1	Mount Thickness (mm):
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Material Properties

99	Absorbance (%):
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Regulatory Compliance

Compliant	RoHS 2015:
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View	Certificate of Conformance:
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Compliant	Reach 247:
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Need different specs or modifications?

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

- Wide-Band Low Reflectance Coating
- 99% Absorbance from the EUV to SWIR
- Slit Sizes Down to 25µm x 3mm
- Unmounted and Mounted Versions Available

Acktar Blackened Air Slits are ideal for light aperture applications where back reflections from light sources are a concern. These air slits feature stainless steel substrates coated with Acktar’s Magic Black™ coating, which is a super black, low reflectance coating used in wavelengths from the extreme ultraviolet (EUV) to the short-wave infrared (SWIR). This wide-band coating is stable in temperatures up to 380°C and has no particulation from use. Acktar Blackened Air Slits are coated on both sides, including the slit edge, and are available unmounted or mounted for increased mechanical stability.

Note: Please [contact us](#) for custom slit sizes.