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# 100mm Length, Acktar Hexa-Black™ C-Mount Noise Reduction Extension Tube

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100m Length, Acktar Hexa-Black™ C-Mount Noise Reduction Extension Tube



Stock #12-689 **11 In Stock**

- 1 + C\$239<sup>40</sup>

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Volume Pricing	
Qty 1-5	C\$239.40 each
Qty 6+	C\$227.92 each
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## Product Downloads

### General

Extension Tube **Type:**

Extension Tube (Fixed) **Function:**

HBT-C1-100 **Model Number:**

Hexa-Black™

Technology:

## Physical & Mechanical Properties

100.0      **Extension Length (mm):**

104.0      **Total Length (mm):**

20.5      **Clear Aperture CA (mm):**

30.0      **Outer Diameter (mm):**

## Optical Properties

200 - 5000      **Wavelength Range (nm):**

## Threading & Mounting

C-Mount      **Thread Type:**

## Material Properties

99.9      **Absorbance (%):**

## Regulatory Compliance

**Compliant**      **RoHS 2015:**

**View**      **Certificate of Conformance:**

**Compliant**      **Reach 247:**

## 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

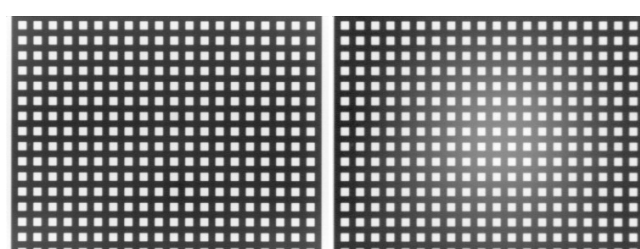
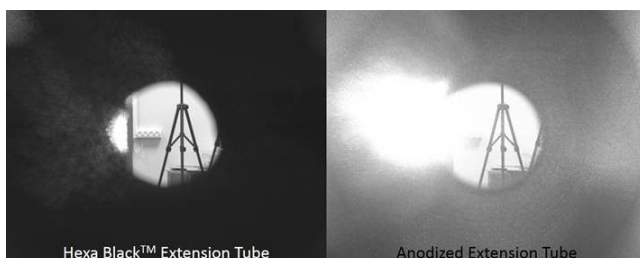
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

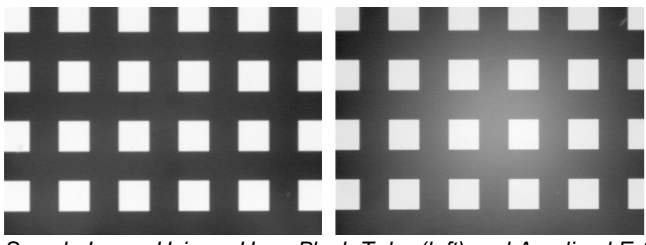
- Actar Hexa-Black™ Light Absorbing Technology
- Reduce Stray Light and Noise in Imaging Systems
- Near Zero Specular Reflectance at Grazing Angles
- Stray Light Rejection Ratio up to  $8 \times 10^{-7}$

Actar Hexa-Black™ C-Mount Noise Reduction Extension Tubes are used to increase the image distance in C-Mount imaging systems where stray light is a concern. Featuring Actar's Hexa-Black™ technology, these extension tubes provide extremely high absorbance of stray light at grazing angles up to 88°. The ultra-black Hexa-Black material is designed to have wide-band absorption from the UV to the MMR, providing a stray light rejection ratio up to  $8 \times 10^{-7}$ . Actar Hexa-Black C-Mount Noise Reduction Extension Tubes enable higher signal-to-noise ratios (SNR) and lower noise in imaging systems than standard anodized aluminum tubes. Multiple lengths are available with male/female C-Mount threads at opposite ends; please contact us if your application requires a custom sized noise reduction extension tube.

## Technical Information



Sample Image Using a Hexa-Black Tube (left) and Anodized Extension Tube (right)



*Sample Image Using a Hexa-Black Tube (left) and Anodized Extension Tube (right)*

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