

[See all 7 Products in Family](#)

# 10mm Length, Acktar Hexa-Black™ C-Mount Noise Reduction Extension Tube

See More by [Acktar](#)



10mm Length, Acktar Hexa-Black™ C-Mount Noise Reduction Extension Tube



Stock **#15-480** 4 In Stock

-

1

+

S\$239<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$239.40 each                |
| Qty 6+         | S\$227.92 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General       |                        |
|---------------|------------------------|
| Model Number: | HBT-C1-10              |
| Function:     | Extension Tube (Fixed) |
| Technology:   | Hexa-Black™            |

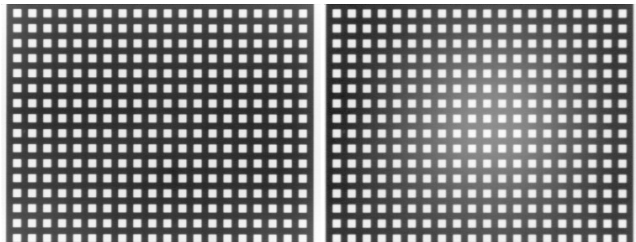
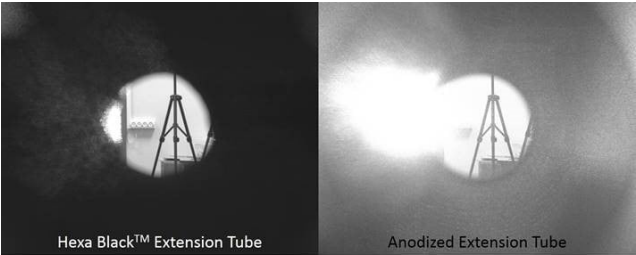
| Physical & Mechanical Properties |                             |
|----------------------------------|-----------------------------|
| 10.0                             | Extension Length (mm):      |
| 14.0                             | Total Length (mm):          |
| 30.0                             | Outer Diameter (mm):        |
| 19.5                             | Clear Aperture CA (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:                  |

## Product Details

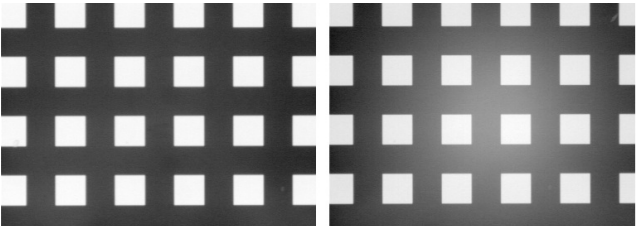
- Acktar Hexa-Black™ Light Absorbing Technology
- Reduce Stray Light and Noise in Imaging Systems
- Near Zero Specular Reflectance at Grazing Angles
- Stray Light Rejection Ratio up to  $8 \times 10^{-7}$

Acktar 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 Acktar'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  $8 \times 10^{-7}$ . Acktar 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)

## 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](#).
-