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**TECHSPEC® 63.5mm Mounted Corner Cube Retroreflector**



Mounted N-BK7 Corner Cube Retroreflectors



Stock **#49-080** **5 In Stock**

⊖ 1 ⊕ **\$985<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$985.60</b> each
Qty 6-25	<b>\$786.80</b> each
Qty 26-99	<b>\$739.20</b> each
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**General**

Retroreflector **Type:**

**Physical & Mechanical Properties**

+0.0/-0.1 **Diameter Tolerance (mm):**

63.50 **Inner Diameter (mm):**

76.20 **Outer Diameter (mm):**

**Housing Tolerance (mm):**  
Outer Diameter: +0/-0.5, Height: ±0.25

## Optical Properties

±3 **Beam Deviation (arcsec):**

Silver with protective overcoat **Coating:**

**N-BK7** **Substrate:**

60-40 **Surface Quality:**

Left-Handed **Image Orientation:**

**Coating Specification:**  
Reflective Surfaces:  $R_{\text{abs}} > 97\%$  FROM 400 - 2500nm  
@ 0° AOI  
 $R_{\text{avg}} > 98\%$  FROM 400 - 2500nm @ 0° AOI

180 **Ray Deviation (°):**

400 - 2500 **Wavelength Range (nm):**

0.25 **Power (fringes) @ 632.8nm:**

0.25 **Irregularity (fringes) @ 632.8nm:**

## Threading & Mounting

(2) 1/4-20 Tapped Holes **Mounting Threads:**

## Regulatory Compliance

Not Compliant **RoHS 2015:**

[View](#) **Certificate of Conformance:**

## Product Details

- Incident Light is Reflected Back to the Source
- Useful for Surveying and Alignment
- 1/4-20 Tapped Holes for Easy Mounting
- Also Available [Unmounted](#)

TECHSPEC® Mounted N-BK7 Corner Cube Retroreflectors are mounted in an aluminum body and held in place with RTV potting cement. Due to their complex shape, corner cube retroreflectors can often be challenging to mount. These retroreflectors provide a convenient and durable solution. TECHSPEC® Mounted N-BK7 Corner Cube Retroreflectors are easily integrated via two 1/4-20 tapped holes. In addition, each retroreflector has silvered reflecting surfaces to decrease polarization effects and increase field of view. For dimension details, see the "Technical Information" tab.

Corner cube retroreflectors are designed to reflect any ray or beam entering the prism face, regardless of the prism's orientation, back onto itself. A mirror will only do that at the normal angle of incidence. As a result, corner cube retroreflectors are ideal where precision alignment is difficult or time-consuming.

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## Technical Information



