

# 10µm Aperture Diameter, Ceramic Aperture



Ceramic Aperture

Stock #84-910 [CONTACT US](#)

1 **MRP ₹16,446**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹16,446 each
Qty 6-10	₹14,477 each
Qty 11+	₹13,368 each
Need More?	<a href="#">Request Quote</a>

**Product Downloads**

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## Physical & Mechanical Properties

<b>Outer Diameter (mm):</b> 9.5	<b>Construction:</b> Alumina Ceramic
<b>Fixed Aperture Diameter (µm):</b> 10	<b>Thickness (mm):</b> 0.13 Nominal
<b>Aperture Tolerance (%):</b> ±10	<b>Aperture Centration (µm):</b> ±125

## Regulatory Compliance

<b>RoHS 2015:</b> <a href="#">Compliant</a>	<b>Certificate of Conformance:</b> <a href="#">View</a>
<b>Reach 247:</b> <a href="#">Compliant</a>	
<b>Country of Origin:</b> United States	<b>Imported By:</b> Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

## Product Details

- Ceramic, Copper, Gold-Plated Copper, Molybdenum, or Tungsten Substrates
- Withstand High Power Densities up to 130MW/cm<sup>2</sup> (For Mo and W Substrates)

- Ideal for Spatial Filtering and Laser Aperturing

High Power Apertures are available in an assortment of available substrates, making them a versatile option for a variety of laser applications. These products are ideal for spatial filtering and as a general aperture. The apertures have an outer diameter of 3/8" (9.5mm). High Power Apertures have one shiny side for high reflectivity while the other is blackened for absorption. The ceramic apertures are white on both sides. The aperture's thickness and the materials' high reflectivity enable them to withstand and quickly dissipate increased irradiation from high-energy lasers. Densities as high as 100MW/cm<sup>2</sup> (130MW/cm<sup>2</sup> for molybdenum and Tungsten substrates) have been used without damage to the apertures.

## Related Products



Precision Pinhole Mount



Tube System Objective Adapters

## Frequently Purchased Together



#32-539 - 5mm, Uncoated, High Tolerance N-BK7 Right Angle Prism  
₹9,131

Qty



#33-399 - 25mm Dia. x 200mm FL, NIR II Coated, Double-Convex Lens  
₹5,095

Qty



#38-529 - Pinhole Adapter Accessory for 9.5mm Diameter Pinholes (A)  
₹7,920

Qty



#03-627 - C-Mount Male to Olympus (RMS/DIN) Female Step-Down Adapter  
₹5,246

Qty

