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50µm Aperture Diameter, Ceramic Aperture

Ceramic Aperture

Stock **#84-914** **2 In Stock**

- 1 + **€163**.00

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Volume Pricing	
Qty 1-5	**€163,00** each
Qty 6-10	**€143,50** each
Qty 11+	**€132,50** each
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Product Downloads

Physical & Mechanical Properties

Outer Diameter (mm):
9.5

Construction:
Alumina Ceramic

Fixed Aperture Diameter (µm):
50

Thickness (mm):	0.13 Nominal
Aperture Tolerance (%):	±10
Aperture Centration (µm):	±125

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant

Product Details

- Ceramic, Copper, Gold-Plated Copper, Molybdenum, or Tungsten Substrates
- Withstand High Power Densities up to 130MW/cm^2 (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/cm2 (130MW/cm2 for molybdenum and Tungsten substrates) have been used without damage to the apertures.

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