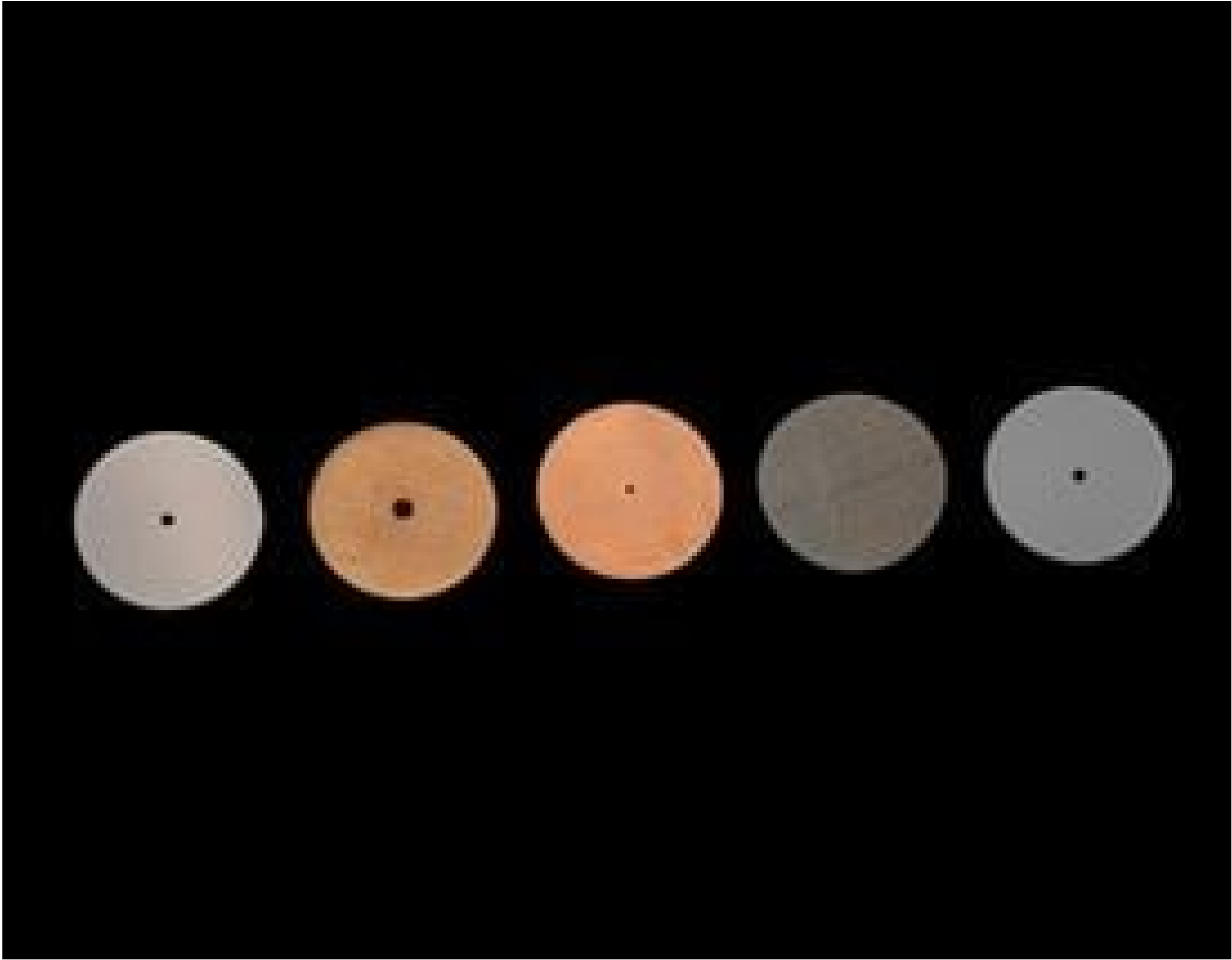


100μm Aperture Diameter, 0.5" OD Mounted, Ceramic Aperture



Stock #90-315 NEW 2 In Stock

-

1

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MRP ₹15,399

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹15,399 each
Qty 6+	₹13,706 each
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General	
Mounted	Type:
Physical & Mechanical Properties	
12.7 +0.000/-0.05	Outer Diameter (mm):
	Construction:

Alumina Ceramic	
100	Fixed Aperture Diameter (µm):
	Thickness (mm):
0.25 Nominal	
±10	Aperture Tolerance (%):
	Aperture Centration (µm):
±125	

Threading & Mounting

Mount Thickness (mm):	
2.54	

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Imported By: 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/cm² (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.