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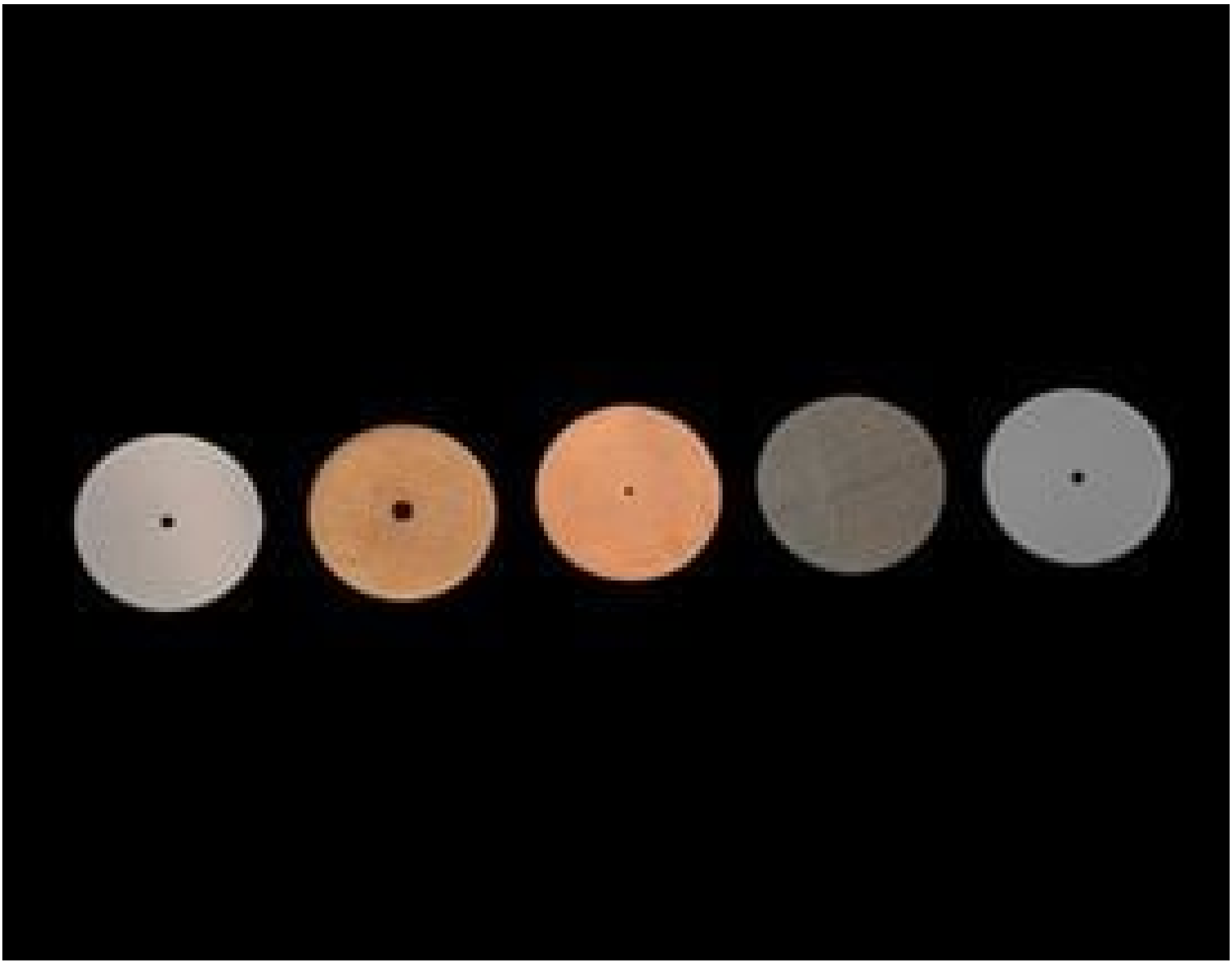
80µm Aperture Diameter, 0.5" OD Mounted, Copper Aperture



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Qty 1-5	**S$194.60** each
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General

Type:

Mounted

Physical & Mechanical Properties

Outer Diameter (mm):

12.7 +0.000/-0.05

Construction:

Copper

Fixed Aperture Diameter (µm):	80
Thickness (mm):	0.04 Nominal
Aperture Tolerance (%):	±10
Aperture Centration (µm):	±50

Threading & Mounting

Mount Thickness (mm):	2.54

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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