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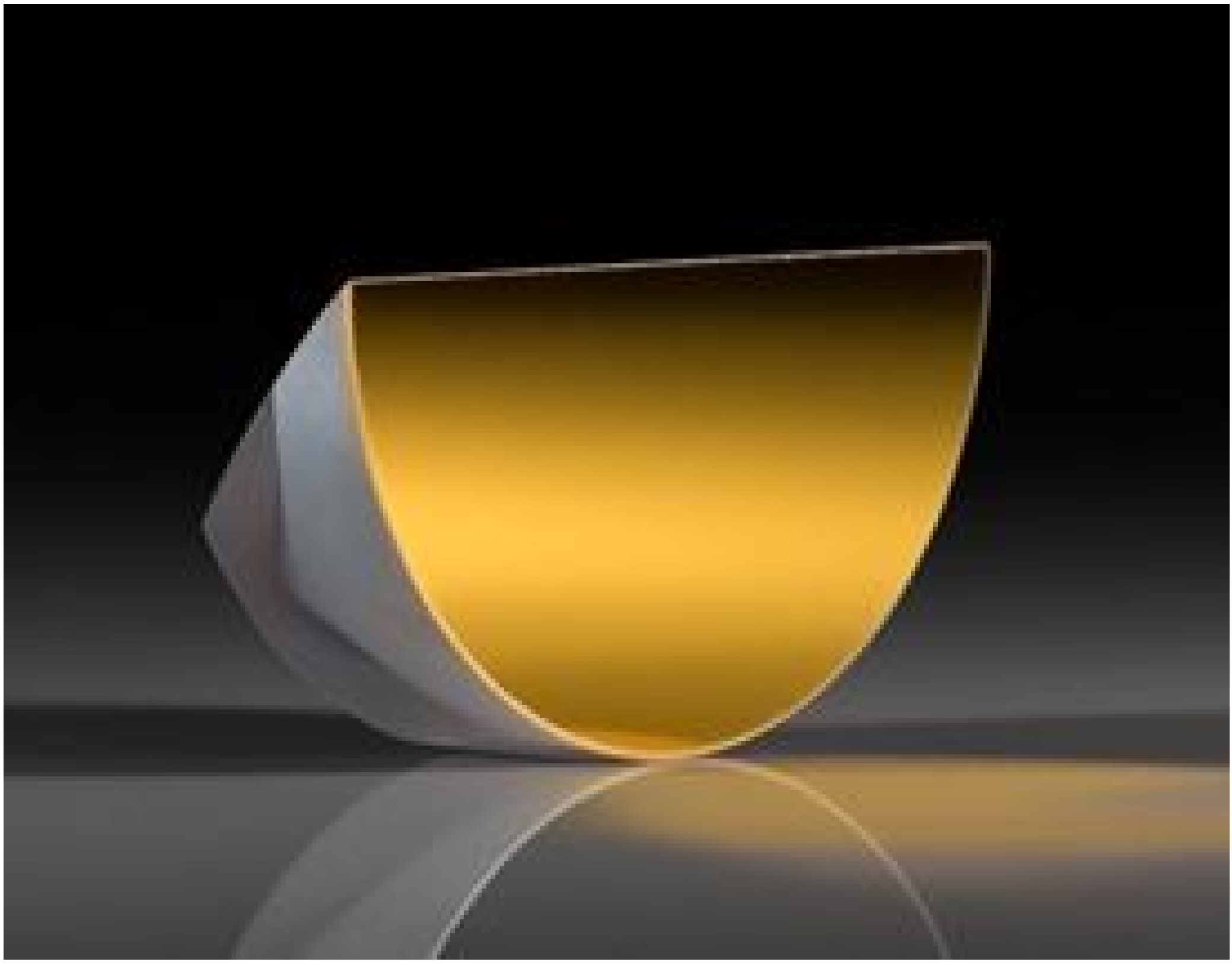
TECHSPEC® 25.4mm Protected Gold λ/10 Knife-Edge Pickoff Mirror



25.4mm Enhanced Protected Gold λ/10 D-Shaped Pickoff Mirror, #36-136

Stock **#36-136** **5 In Stock**

- 1 + **C$159.60**

ADD TO CART

Volume Pricing	
Qty 1-5	**C$159.60** each
Qty 6-25	**C$144.20** each
Qty 26+	**C$126.70** each
Need More?	Request Quote

Product Downloads

General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):
25.40

Thickness (mm):
6.35 ±0.20

Back Surface:
Fine Grind

Bevel:
Protective as needed

Dimensional Tolerance (mm):
+0.0/-0.20

Edges:
Ground

Parallelism (arcmin):
2

Optical Properties

Coating Type:
Metal

Coating:
Protected Gold (700-10000nm)

Surface Flatness (P-V):
λ/10

Wavelength Range (nm):
700 - 10000

Substrate:
Fused Silica (Corning 7980)

Coating Specification:
R_{avg} >96% @ 700 - 2000nm
R_{avg} >96% @ 2000 - 10,000nm

Surface Quality:
20-10

Damage Threshold, Reference:
0.8 J/cm^2 @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

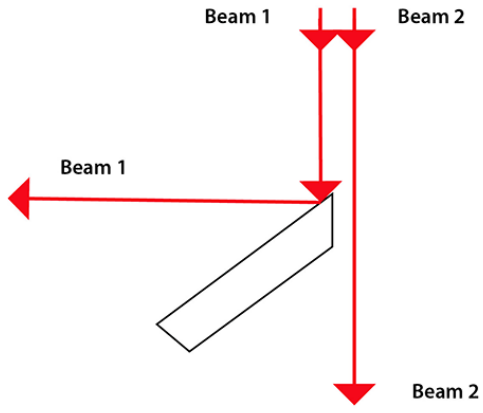
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- Designed to Separate Two Beams Propagating Closely Next to Each Other
- 45° Bevel
- Coating Aperture Up to the Knife-Edge
- Enhanced Aluminum, Protected Gold and Protected Silver Coating Options

Knife-Edge Pickoff Mirrors are designed to selectively reflect an individual beam from a group of tightly spaced beams, while minimizing the overall footprint of the application. These mirrors feature a sharp 45° bevel with a reflective coating that extends to the beveled edge on a precision Fused Silica substrate with λ/10 flatness to the bevel. Knife-Edge Pickoff Mirrors are ideal for applications that incorporate dispersion prisms and diffraction gratings. These mirrors are available in three metallic coating options with performance from the visible spectrum into the far IR.

Technical Information


Beam 1
Beam 2
Beam 1
Beam 2

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