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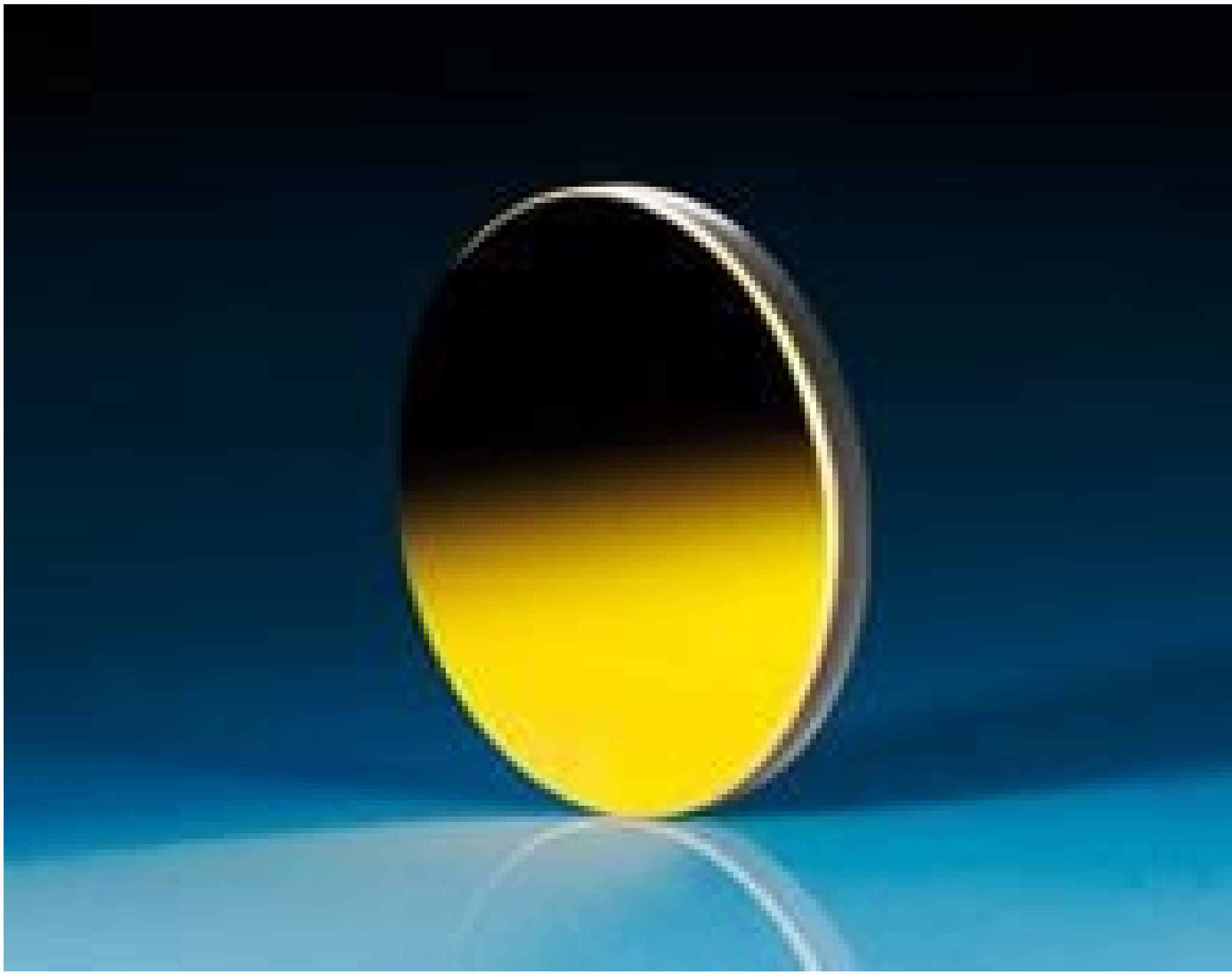
50mm Dia x -25.8mm FL Enhanced Aluminum Coated, Convex Mirror



Stock **#64-065** **5 In Stock**

- 1 + **C$88**.90

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Volume Pricing	
Qty 1-5	**C$88.90** each
Qty 6-25	**C$79.80** each
Qty 26-49	**C$75.60** each
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General

Type:
Spherical Mirror

Physical & Mechanical Properties

Diameter (mm):
50.00 +0.00/-0.10

Center Thickness CT (mm):
10.00

Clear Aperture (%):
90

Edge Thickness ET (mm):
3.55

Radius R (mm):
51.68

Optical Properties

Focal Length FL (mm):
-25.80

Coating:
Enhanced Aluminum (450-650nm)

Coating Specification:
R_{avg} >95% @ 450 - 650nm

Coating Type:
Metal

Focal Length Tolerance (%):
±2

Substrate:
N-BK7

Surface Quality:
60-40

Wavelength Range (nm):
450 - 650

Damage Threshold, Reference:
0.2 J/cm^2 @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Product Details

- Variety of Diameters and Focal Lengths Available
- Enhanced Aluminum and Protected Gold Coatings
- Ideal for Imaging Systems

Convex Spherical Mirrors feature a polished plano second surface and convex first surface. Used primarily for increasing an imaging system's field of view, convex mirrors create a virtual, upright image. Shorter focal lengths provide wider fields of view, while longer focal lengths provide less distortion. Convex Spherical Mirrors with Enhanced Aluminum coatings are ideal for applications in the visible spectrum, while Protected Gold provides excellent reflection throughout the NIR, MWIR, and LWIR spectra. The mirrors are offered in 12, 25, and 50mm diameters, in a variety of wavelength ranges.

Coating Curves

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