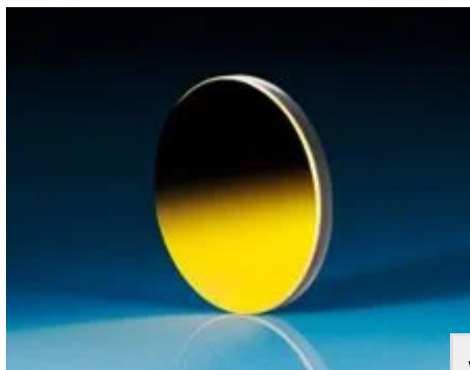


# 12mm Dia x -6.1mm FL Enhanced Aluminum Coated, Convex Mirror



Stock #64-055 **7 In Stock**

1 C\$63<sup>.70</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$63.70 each
Qty 6-25	C\$57.40 each
Qty 26-49	C\$54.60 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	IGES:igs
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Spherical Mirror

## Physical & Mechanical Properties

<b>Diameter (mm):</b> 12.00 +0.00/-0.10	<b>Center Thickness CT (mm):</b> 3.00
<b>Clear Aperture (%):</b> 90	<b>Edge Thickness ET (mm):</b> 1.41
<b>Radius R (mm):</b> 12.11	

## Optical Properties

<b>Focal Length FL (mm):</b> -6.10	<b>Coating:</b> Enhanced Aluminum (450-650nm)
<b>Coating Specification:</b> R <sub>avg</sub> >95% @ 450 - 650nm	<b>Coating Type:</b> Metal
<b>Focal Length Tolerance (%):</b> ±2	<b>Substrate:</b> <b>N-SF5</b>
<b>Surface Quality:</b> 60-40	<b>Wavelength Range (nm):</b> 450 - 650
<b>Damage Threshold, Reference:</b> 0.2 J/cm <sup>2</sup> @ 532nm, 10ns	

## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

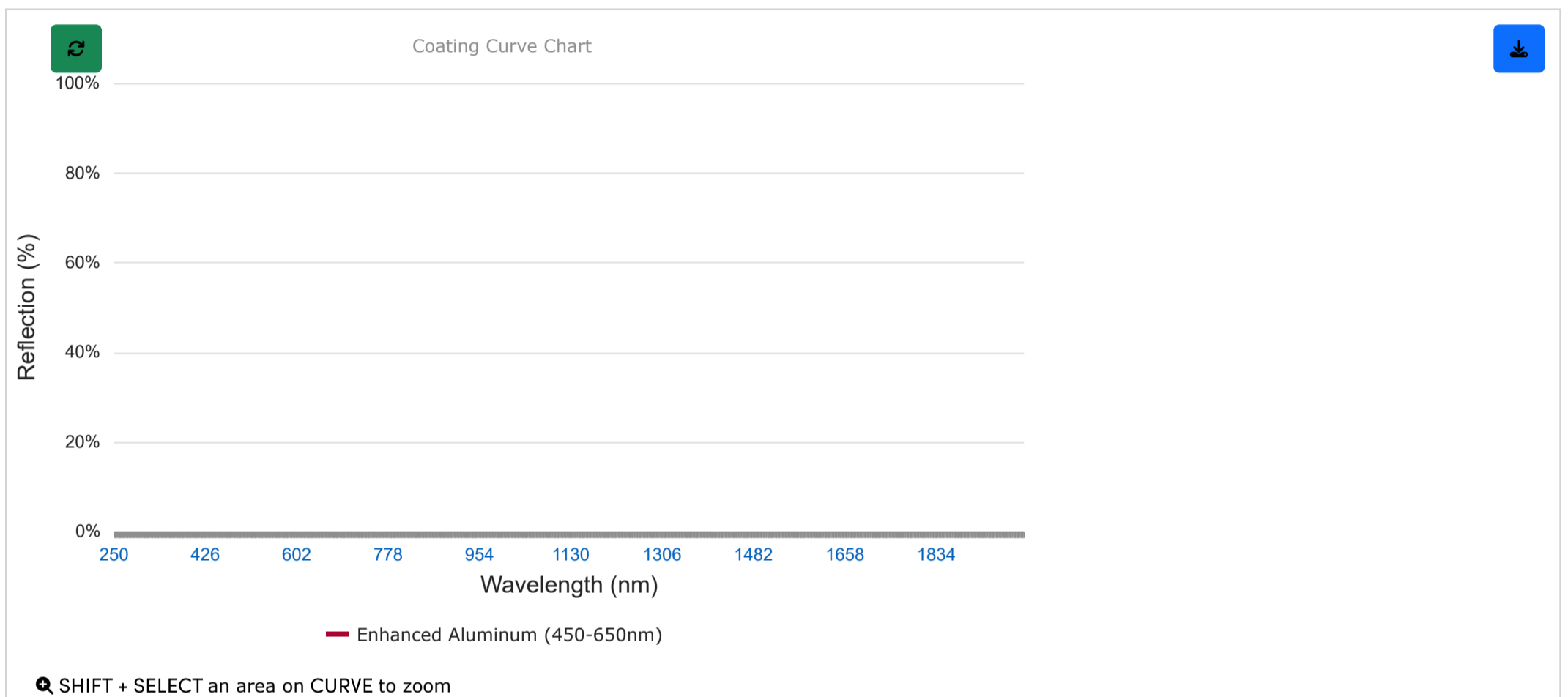
## Product Details

- 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

Enhanced Aluminum (450-650nm)



Please note that coating performance outside each product's specified design range is theoretical and may vary.

## Frequently Purchased Together



#27-400 - 5mm Diameter, 4-6λ Mirror  
C\$21.35

Qty



#27-402 - 12.5mm Diameter, 4-6λ Mirror  
C\$26.60

Qty



#30-787 - 28mm EFL Mounted, RKE Precision Eyepiece  
C\$170.80

Qty



#31-004 - 9 x 9mm, 4-6λ Mirror  
C\$26.60

Qty



## Resources

**Media Type**

- Application Note
- Video
- FAQ
- Glossary

**CASE STUDIES**  
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**APPLICATION NOTE**  
**Metallic Mirror Coatings**

**VIDEO**  
**Optical Mirrors Review**

**FAQ**  
**What is the difference between a first-surface...**

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