

**TECHSPEC®**

# 25mm Dia x -50mm FL, Enhanced Aluminum, Convex Mirror



Convex Mirrors

 Stock #87-668 **3 In Stock**

 - 1 + **£47<sup>.20</sup>**
[ADD TO CART](#)

Volume Pricing	
Qty 1-5	£47.20 each
Qty 6-25	£37.60 each
Qty 26-49	£36.00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

**Product Downloads**

- STEP:stp Curve:pdf
- PDF Drawing:pdf IGES:igs
- Zemax:zar Zemax:zmx
- eDrawing:eprt Code V:seq
- EO Spec Sheet [Download All](#)

**General**
**Type:** Spherical Mirror

**Physical & Mechanical Properties**

<b>Diameter (mm):</b> 25.00	<b>Center Thickness CT (mm):</b> 3.00
<b>Clear Aperture (%):</b> 90.00	<b>Dimensional Tolerance (mm):</b> +0.0/-0.1
<b>Edge Thickness ET (mm):</b> 2.22	<b>Radius R (mm):</b> 100.0
<b>Thickness Tolerance (mm):</b> ±0.1	

**Optical Properties**

<b>Focal Length FL (mm):</b> -50.00	<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-BK7</b>
<b>Surface Accuracy:</b> λ/2	<b>Surface Quality:</b> 60-40
<b>Wavelength Range (nm):</b> 450 - 650	

## 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](#).

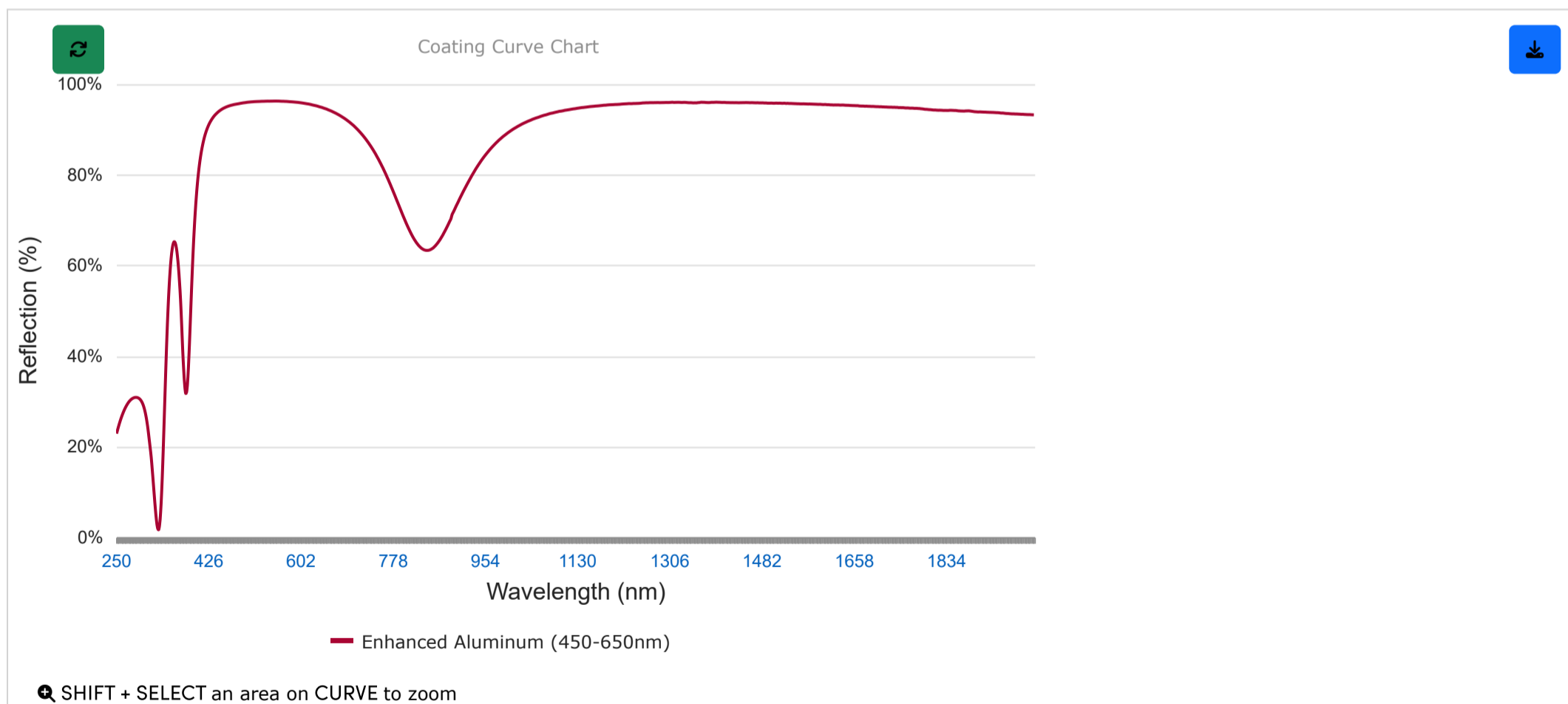
## Product Details

- Precision Polished Surface
- $\lambda/2$  Surface Accuracy
- Variety of Coating Options Offered

TECHSPEC® Convex Mirrors are ideal for expanding an imaging system's field of view without introducing chromatic aberrations. TECHSPEC Convex Mirrors utilize a precision polished surface with a  $\lambda/2$  surface accuracy to maintain image quality. These optical mirrors create virtual, upright images. Shorter focal lengths generate wider fields of view, while longer focal lengths minimize distortion.

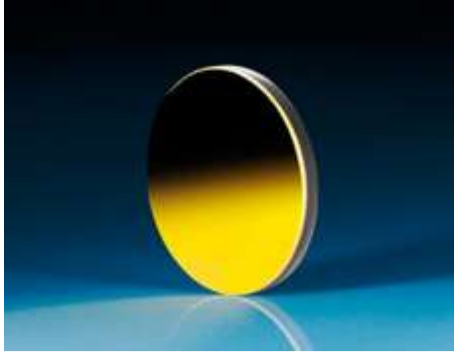
## Coating Curves

Enhanced Aluminum (450-650nm)



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

## Related Products



Convex Spherical Mirrors



Focusing (Concave) Mirrors



Optical Mirror Mounts



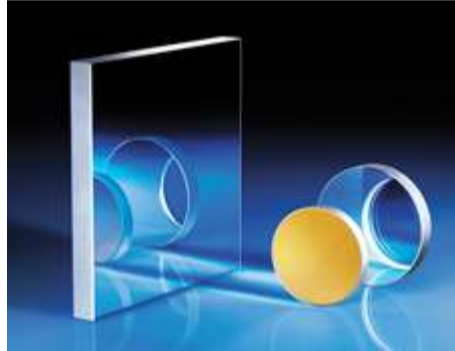
Optical Cleaning

## Frequently Purchased Together



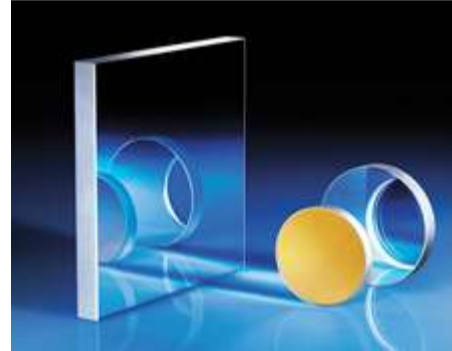
#32-944 - 20mm Dia Enhanced Aluminum, 4-6λ Mirror  
£24.80

Qty



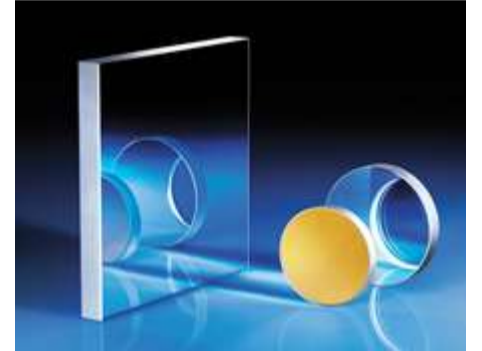
#32-945 - 25mm Dia Enhanced Aluminum, 4-6λ Mirror  
£24.80

Qty



#43-790 - 12.5 x 12.5mm Enhanced Aluminum, 4-6λ Mirror  
£22.80

Qty



#43-792 - 25 x 25mm Enhanced Aluminum, 4-6λ Mirror  
£24.80

Qty

## Resources

### Media Type

- Application Note
- Video
- FAQ
- Glossary

CASE STUDIES

Laser Optics for Eye Surgery

TRENDING IN OPTICS

Increasing Challenges for Sourcing Laser Optics...

CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

APPLICATION NOTE

Metallic Mirror Coatings

VIDEO

Optical Mirrors Review

FAQ

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

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