

**TECHSPEC®**

# 35mm Diameter Enhanced Aluminum Coated, $\lambda/10$ Mirror



Stock #84-413 [CONTACT US](#)

1 **MRP ₹16,446**

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹16,446 each
Qty 6-25	₹13,217 each
Qty 26-49	₹12,309 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Flat Mirror

## Physical & Mechanical Properties

<b>Diameter (mm):</b> 35.00 +0.00/-0.20	<b>Thickness (mm):</b> 5.00 ±0.20
<b>Back Surface:</b> Commercial Polish	<b>Bevel:</b> Protective as needed
<b>Clear Aperture (%):</b> 90	<b>Dimensional Tolerance (mm):</b> +0.0/-0.20
<b>Edges:</b> Ground	<b>Parallelism (arcsec):</b> 30

## Optical Properties

<b>Wavelength Range (µm):</b> 0.45 - 0.65	<b>Coating Type:</b> Metal
<b>Coating:</b> Enhanced Aluminum (450-650nm)	<b>Surface Flatness (P-V):</b> $\lambda/10$
<b>Wavelength Range (nm):</b> 450 - 650	<b>Substrate:</b> <a href="#">Fused Silica</a> (Corning 7980)
<b>Coating Specification:</b> $R_{avg} >95\%$ @ 450 - 650nm	<b>Surface Quality:</b> 20-10
<b>Damage Threshold, Reference:</b> 0.2 J/cm <sup>2</sup> @ 532nm, 10ns	

## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Country of Origin: United States

Imported By: Edmund Optics  
 India Private Limited  
 267, Greystone Building,  
 Second Floor, 6th Cross Rd,  
 Binnamangala, Stage 1,  
 Indiranagar, Bengaluru,  
 Karnataka, India 560038  
 Phone: +91-80-6845 0000

## 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

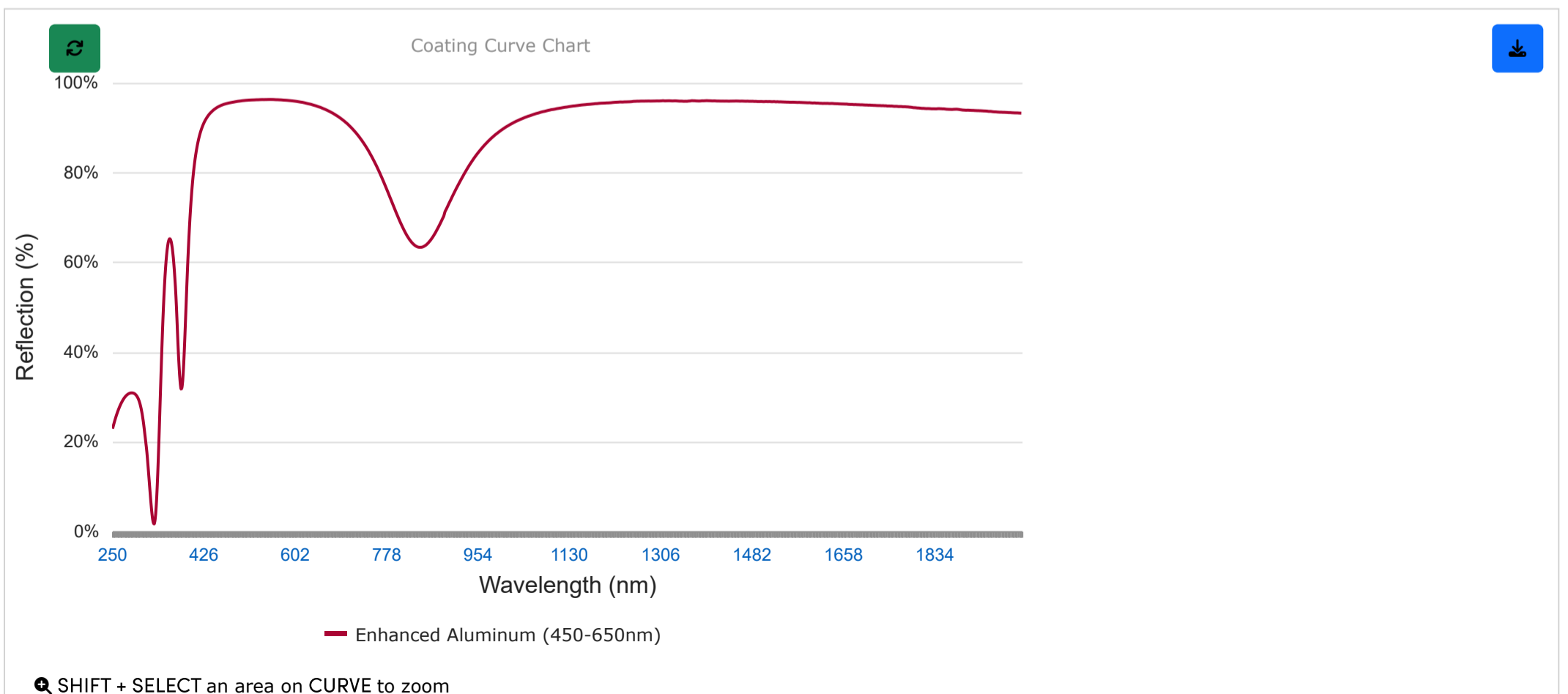
- Precision Fused Silica Substrate
- Variety of Sizes and Coating Options Available
- Low Coefficient of Thermal Expansion

TECHSPEC® λ/10 First Surface Mirrors are ideal for demanding beam steering and reflection applications in the visible and IR spectra. With a precision fused silica substrate, the mirrors feature a low coefficient of thermal expansion while being highly durable and resistant to abrasion. These precision mirrors are available in a variety of sizes and coating options, including enhanced aluminum, protected gold, and protected silver. These coatings allow for improved handling of the component, increased durability of the metal coating, and protection from oxidation with little impact to the performance on the metal coating. TECHSPEC® λ/10 First Surface Mirrors can be utilized in various optics and photonics applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms.

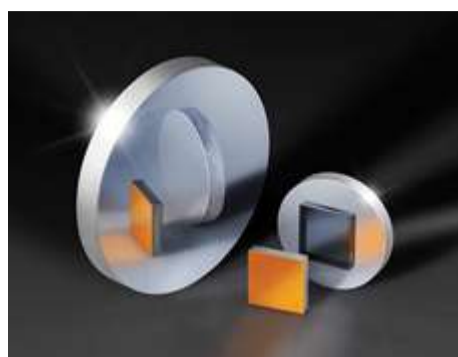
**Note:** Surface flatness is measured before coating.

## Coating Curves

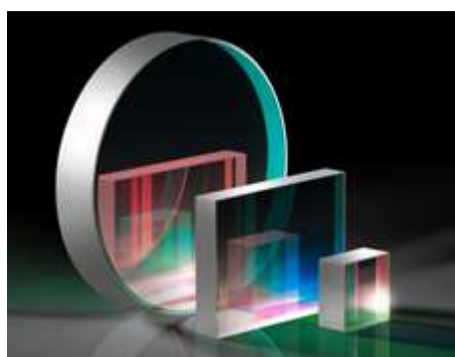
Enhanced Aluminum (450-650nm)



## Related Products



λ/20 First Surface Mirrors



Broadband Dielectric λ/10 Mirrors

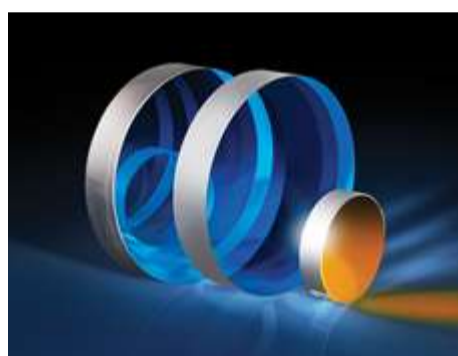


ZERODUR® λ/10 First Surface Mirrors



Optical Mirror Mounts

## Frequently Purchased Together



#31-393-566 - 6" Dia. Protected Gold, λ/10 Flat ZERODUR®  
₹2,53,234

Qty



#32-513 - 25 x 35mm Enhanced Aluminum, λ/4 Mirror  
₹8,071

Qty



#32-702 - 35mm 50R/50T Cube Beamsplitter  
₹39,247

Qty





#33-210 - 25mm Dia. x 75mm FL, YAG-BBAR Coated, Achromatic Lens  
₹12,914

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	₹6,357 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	₹8,374 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
	7.0 - 40.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	₹10,694 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/>
	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	₹10,896 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/>
	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	₹11,501 <a href="#">Request Quote</a>	1 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 <b>MORE+</b>	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> 
 <b>MORE+</b>	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> 
 <b>MORE+</b>	4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	₹15,840 Request Quote	6 In Stock <input type="text" value="1"/> 
 <b>MORE+</b>	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	<b>CONTACT US</b> <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

## Resources

### Media Type

- Application Note
- Video
- FAQ
- Glossary

**CASE STUDIES**

Laser Optics for Eye Surgery

**TRENDING IN OPTICS**

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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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