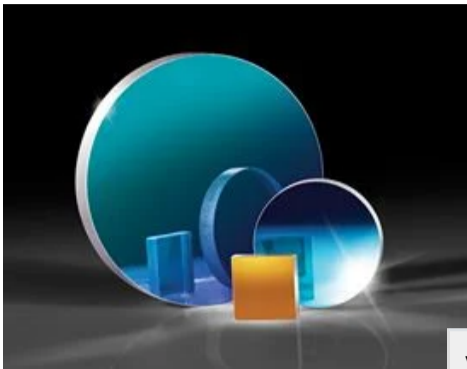


TECHSPEC®

40mm Diameter UV Enhanced Aluminum Coated, λ/10 Mirror


 Stock #68-317 **3 In Stock**

 - 1 + C\$245.⁰⁰
[ADD TO CART](#)

Volume Pricing	
Qty 1-5	C\$245.00 each
Qty 6-25	C\$196.00 each
Qty 26-49	C\$183.40 each
Need More?	Request Quote

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	Download All

General

Type: Flat Mirror

Physical & Mechanical Properties

Diameter (mm): 40.00 +0.00/-0.20	Thickness (mm): 5.00 ±0.20
Back Surface: Commercial Polish	Bevel: Protective as needed
Clear Aperture (%): 90	Dimensional Tolerance (mm): +0.0/-0.20
Edges: Ground	Parallelism (arcsec): 30

Optical Properties

Wavelength Range (µm): 0.25 - 0.7	Coating Type: Metal
Coating: Enhanced Aluminum (250-700nm)	Surface Flatness (P-V): λ/10
Wavelength Range (nm): 250 - 700	Substrate: Fused Silica (Corning 7980)
Coating Specification: R _{avg} >89% @ 250 - 450nm R _{avg} >85% @ 250 - 700nm	Surface Quality: 20-10
Damage Threshold, Reference: 0.5 J/cm ² @ 355nm, 10ns	

Regulatory Compliance

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](#).

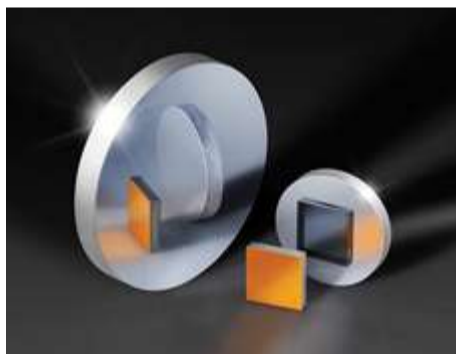
Product Details

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

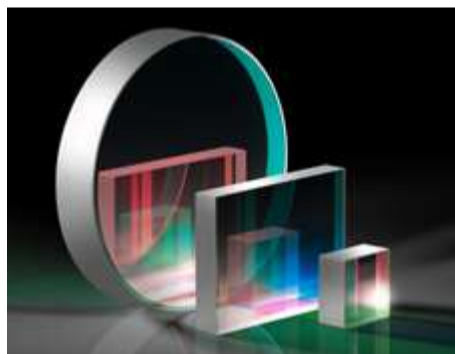
TECHSPEC® $\lambda/10$ First Surface Mirrors are ideal for demanding beam steering and reflection applications in the visible and IR spectra. With a precision fused silica substrate, the mirrors feature a low coefficient of thermal expansion while being highly durable and resistant to abrasion. These 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® $\lambda/10$ 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.

Related Products



$\lambda/20$ First Surface Mirrors



Broadband Dielectric $\lambda/10$ Mirrors



ZERODUR® $\lambda/10$ First Surface Mirrors



Optical Mirror Mounts

Frequently Purchased Together



#03-676 - 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder
C\$148.40

Qty



#30-429 - 30 x 40mm, 4-6 λ Mirror
C\$43.05

Qty



#32-336 - 25mm, Uncoated, N-BK7 Right Angle Prism
C\$111.30

















Qty



#40-043 - 127 x 178mm, 4-6 λ Mirror
C\$118.30

Qty

Compatible Mounts


	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	40.0mm Optic Dia., Optic Mount	Fixed		#64-566	C\$45.85 Request Quote	10 In Stock <input type="text" value="1"/> 
MORE+ 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	C\$116.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	C\$148.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	C\$151.20 Request Quote	CONTACT US <input type="text" value="1"/> 
MORE+ 	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	C\$159.60 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	C\$162.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	C\$168.00 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	C\$574.00 Request Quote	CONTACT US <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



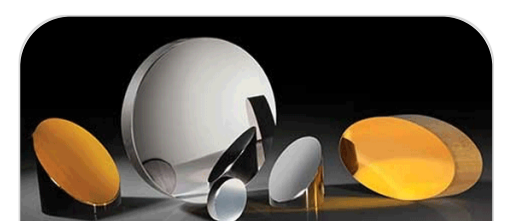
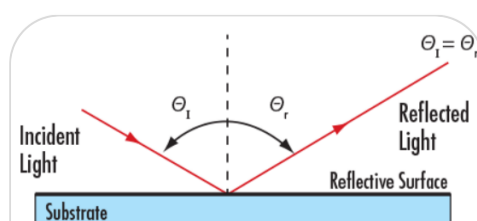
↑ TRENDING IN OPTICS

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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