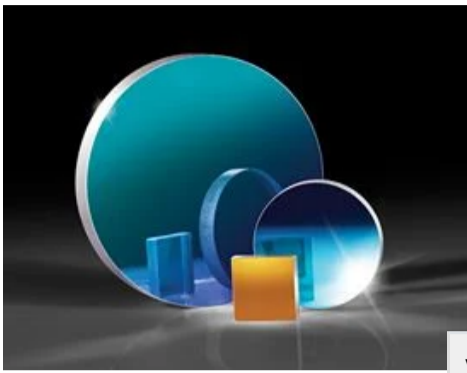


TECHSPEC® 10mm Square Protected Silver Coated, λ/10 Mirror



Stock #68-324 12 In Stock

1 £88.⁸⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£88.80 each
Qty 6-25	£70.80 each
Qty 26-49	£66.80 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

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

Thickness (mm):	2.00 ±0.20	Dimensions (mm):	10.0 x 10.0
Back Surface:	Commercial Polish	Bevel:	Protective as needed
Clear Aperture (%):	90	Dimensional Tolerance (mm):	+0.0/-0.20
Edges:	Ground	Length (mm):	10.00
Width (mm):	10.00	Parallelism (arcsec):	30

Optical Properties

Wavelength Range (µm):	0.45 - 10	Coating Type:	Metal
Coating:	Protected Silver (450-10000nm)	Surface Flatness (P-V):	λ/10
Wavelength Range (nm):	450 - 10000	Substrate: ⓘ	Fused Silica (Corning 7980)
Coating Specification:	R _{avg} >98% @ 450 - 800nm R _{avg} >98.5% @ 2000 - 10,000nm	Surface Quality:	20-10
Damage Threshold, Reference: ⓘ	0.5 J/cm ² @ 532nm & 1064nm, 10ns		

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 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.

Coating Curves

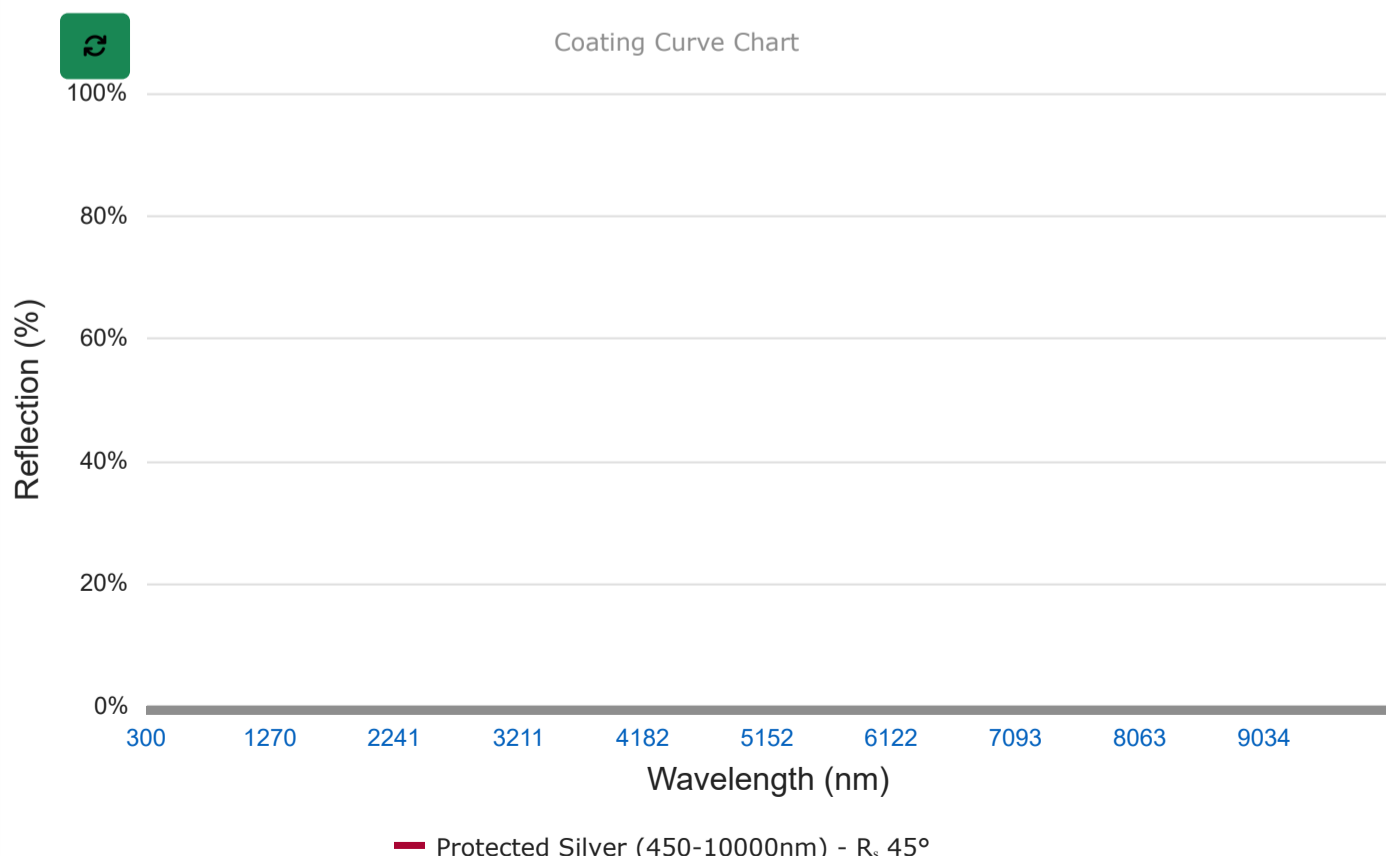
Protected Silver (450-10000nm) -
R_s 45°

Protected Silver (450-10000nm) -
R_p 45°

Protected Silver (450-10000nm) -
R(avg) 45°

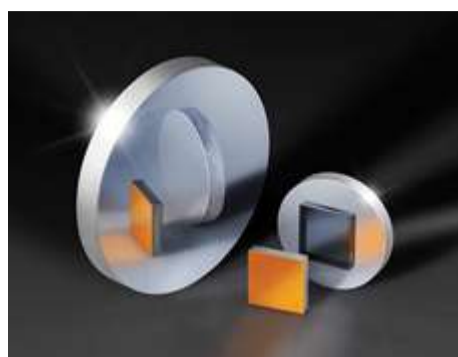
Protected Silver (450-10000nm) -
R @ 0°

Coating Curve Chart

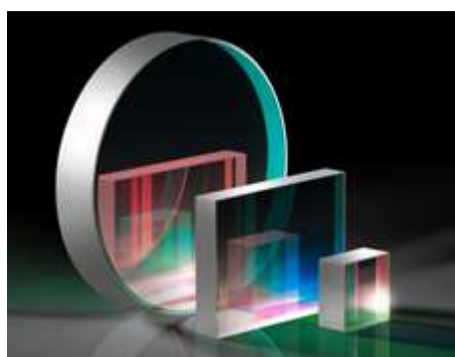


🔍 SHIFT + SELECT an area on CURVE to zoom

Related Products



$\lambda/20$ First Surface Mirrors



Broadband Dielectric $\lambda/10$ Mirrors



ZERODUR® $\lambda/10$ First Surface Mirrors



Optical Mirror Mounts

Frequently Purchased Together



#32-949 - 15mm Diameter MgF₂ Coated, B270 Window
£33.20

Qty



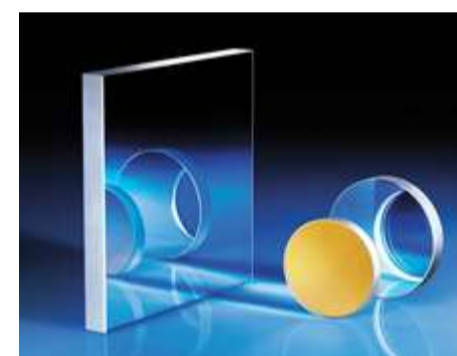
#33-303 - 12mm UC Series Fixed Focal Length Lens
£208.00

Qty



#32-498 - 30mm Dia. x 75mm FL, MgF₂ Coated, Achromatic Doublet Lens
£116.00

Qty





#32-940 - 5mm Dia Enhanced Aluminum, 4-6λ Mirror
£22.80

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	1.5" Reverse Angle Mirror Mount	Adjustable - Tip-Tilt		#37-922	£68.80 Request Quote	12 In Stock <input type="text" value="1"/>
	25mm sq - Rectangular Bar Clamp	Fixed		#54-994	£86.40 Request Quote	8 In Stock <input type="text" value="1"/>
	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	£100.80 Request Quote	20+ In Stock <input type="text" value="1"/>
	Standard Model, Threaded Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-341	£112.00 Request Quote	20+ In Stock <input type="text" value="1"/>
	Standard Model, Slotted Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-342	£112.00 Request Quote	20+ In Stock <input type="text" value="1"/>
	Top-Screw Model, Threaded Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-343	£148.80 Request Quote	4 In Stock <input type="text" value="1"/>
	Top-Screw Model, Slotted	Adjustable - Tip-Tilt		#56-344	£148.80 Request	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	Base - Metric Mirror Mount				Quote	

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

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary

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Metallic Mirror Coatings

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? FAQ

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