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TECHSPEC® 12.5mm



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Select Your Country/Region: European Union

Submit

1 €83^{.50}

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Volume Pricing	
Qty 1-5	€83,50 each
Qty 6-25	€66,50 each
Qty 26-49	€63,00 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

Diameter (mm):	12.50	Thickness (mm):	2.00 ±0.25
Back Surface:	Commercial Polish	Bevel:	Protective as needed
Clear Aperture (%):	85	Dimensional Tolerance (mm):	±0.25
Edges:	Fine Ground		

Optical Properties

Wavelength Range (µm):	0.7 - 10	Coating Type:	Metal
Coating:	Protected Gold (700-10000nm)	Surface Flatness (P-V):	λ/4
Wavelength Range (nm):	700 - 10000	Substrate:	BOROFLOAT®
Coating Specification:	R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm	Surface Quality:	60-40
Damage Threshold, Reference:	0.8 J/cm ² @ 1064nm, 10ns		

Regulatory Compliance

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Need different specifications?

Edmund Optics offers comprehensive custom manufacturing capabilities for a wide range of applications and 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

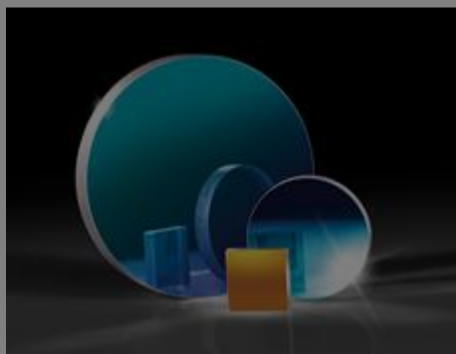
- Available in a Wide Range of Sizes and Shapes
- Precision Metallic Mirror Coatings
- **Contact Us** for Custom Sizes

TECHSPEC® $\lambda/4$ First Surface Mirrors feature a high reflectivity coating deposited on the front surface of the glass substrate. The coated surface should be oriented to reflect incident light. TECHSPEC $\lambda/4$ First Surface Mirrors are offered in circular, square, and rectangular dimensions. First surface mirrors are ideal for applications requiring the mirror to be mounted at 45° in order to produce a 90° bend in the light path. These first surface mirrors easily mount into a [range of optical mounts](#) to facilitate application integration. The mirrors have available coatings of enhanced aluminum, protected aluminum, protected silver, and protected gold.

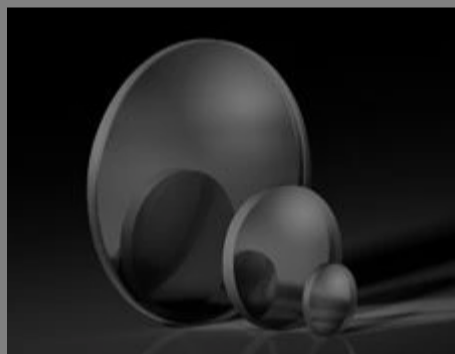
Note: Surface flatness is measured before coating.

A range of mounts specifically compatible with individual TECHSPEC® First Surface Mirrors can be found on product web pages.

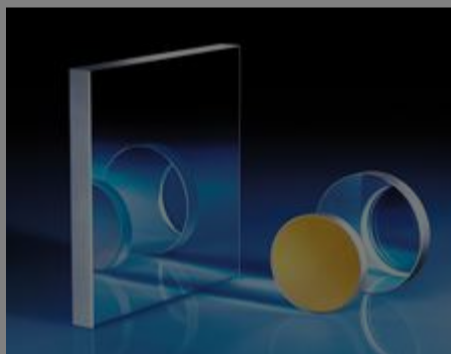
Related Products



$\lambda/10$ First Surface Mirrors



Rhodium Coated First Surface Mirrors



First Surface Mirrors



PUROSOL™ Optical Cleaner

Frequently Purchased Together



#01-307 - 25,400 Lines/Inch, 2" Square Card, 15/Pack, Holographic Diffraction Grating Film
€28,50

Qty



#03-682 - 22mm Travel, Small Thick Base Single Movement
€195,00

Qty



#27-402 - 12.5mm Diameter, 4-6λ Mirror
€19,00














































Qty



#30-933 - 0.3 OD 25mm Diameter, Reflective ND Filter
€55,95

Qty

Compatible Mounts

	Title					Buy
		12.5/12.7mm Optic Dia., Thin Mount				10 In Stock <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., SM05 Thin Mount, 8-32	Fixed	#13-790	€19,50 Request Quote	17 In Stock <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., L-Slot Direct Mount	Fixed	#36-416	€59,00 Request Quote	17 In Stock <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., Side Flange Direct Mount	Fixed	#36-418	€59,00 Request Quote	10 In Stock <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary	#36-417	€96,50 Request Quote	20+ In Stock <input type="text" value="1"/> 
		5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed	#55-529	€102,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
		7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed	#03-676	€106,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
		10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed	#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/> 
		7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed	#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
		8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed	#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
		4.0 - 36.0mm Optic Dia., Self- Centering Jaw Clamp	Fixed	#16-077	€157,00 Request Quote	5 In Stock <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)	#62-955	€261,00 Request Quote	5 In Stock <input type="text" value="1"/> 
		5.0 - 100.0mm Optic Dia., Self- Centering Jaw Clamp	Fixed	#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal	#84-640	€421,00 Request Quote	7 In Stock <input type="text" value="1"/> 
		12.5/12.7mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)	#62-958	€429,00 Request Quote	5 In Stock <input type="text" value="1"/> 

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

Resources

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Optical Mirrors Review

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