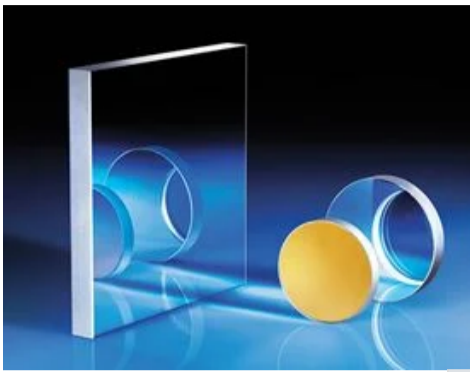


# TECHSPEC® 12.5 x 17.5mm Protected Gold, 4-6λ Mirror



Stock #43-880 20+ In Stock

1

MRP ₹4,339

Price inclusive of all taxes

**ADD TO CART**



Volume Pricing	
Qty 1-5	₹4,339 each
Qty 6-25	₹3,330 each
Qty 26-99	₹3,128 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>Thickness (mm):</b> 2.00	<b>Dimensions (mm):</b> 12.5 x 17.5
<b>Clear Aperture CA (mm):</b> 11.50 x 16.50	<b>Dimensional Tolerance (mm):</b> ±0.25
<b>Edges:</b> Seamed, 0.5mm Maximum Edge Chip	<b>Length (mm):</b> 17.50
<b>Width (mm):</b> 12.50	

## Optical Properties

<b>Coating Type:</b> Metal	<b>Coating:</b> Protected Gold (700-10000nm)
<b>Surface Flatness (P-V):</b> 4 - 6λ	<b>Wavelength Range (nm):</b> 700 - 10000
<b>Substrate:</b> Float Glass	<b>Coating Specification:</b> R <sub>avg</sub> >96% @ 700 - 2000nm R <sub>avg</sub> >96% @ 2000 - 10,000nm
<b>Surface Quality:</b> 60-40	<b>Damage Threshold, By Design:</b> 0.8 J/cm <sup>2</sup> @ 1064nm, 10ns

## Regulatory Compliance

<b>RoHS 2015:</b> <a href="#">Compliant</a>	<b>Certificate of Conformance:</b> <a href="#">View</a>
<b>Reach 247:</b> <a href="#">Compliant</a>	

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

## Product Details

- Wide Variety of Shapes and Sizes Available
- Enhanced Aluminum, Protected Gold, and Protected Silver Coatings for high reflectivity from 450-10000nm
- [Contact Us](#) for Custom Sizes

TECHSPEC® First Surface Mirrors feature a high reflectivity coating deposited on the front surface of the glass substrate. The mirrors are available in enhanced aluminum, protected gold, and protected silver coatings for high reflectivity from 450-10000nm. The coated surface should be oriented to reflect incident light. TECHSPEC 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.

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

TECHSPEC® First Surface Mirrors feature a high-reflectivity coating deposited on the front surface of a float-glass substrate to minimize ghosting and enable accurate beam redirection.

They are available with enhanced aluminum, protected silver, and protected gold coatings for applications requiring high reflectivity from 450 – 10000nm.

These mirrors are ideal for optical path folding, beam steering, and imaging systems where the mirror is mounted at 45° to produce a 90° bend in the light path.

Offered in circular, square, and rectangular formats, they are well-suited for OEM integration, prototype builds, and general laboratory alignment setups. With typical surface flatness of 4 – 6λ (waves) and 60-40 surface quality, they provide a cost-effective solution for applications that require reliable reflected beam performance without the added expense of precision polished substrates.

First-surface mirrors are commonly used in life sciences, metrology, semiconductor, and general photonics systems where the quality of reflected light is important.

For proper use, the coated surface should be oriented toward the incident light to avoid transmission through the substrate and preserve optical performance.

## Technical Information

## Related Products



PUROSOL™ Optical Cleaner



λ/4 First Surface Mirrors



4-6λ First Surface Mirrors



Optical Mirror Mounts

## Frequently Purchased Together



#31-004 - 9 x 9mm, 4-6λ Mirror  
₹1,918

Qty



#31-417 - 17 x 23mm, 4-6λ Mirror  
₹2,144

Qty



#32-269 - 20 x 27mm, 50R/50T,  
Plate Beamsplitter  
₹5,701

Qty



#03-618 - 5mm Spacer to convert  
CS-Mount Cameras to C-Mount  
₹3,080

Qty



## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	1.5" Reverse Angle Mirror Mount	Adjustable - Tip-Tilt		#37-922	₹8,677 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	25mm sq - Rectangular Bar Clamp	Fixed		#54-994	₹10,896 <a href="#">Request Quote</a>	8 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	₹12,712 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Standard Model, Threaded Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-341	₹14,125 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Standard Model, Slotted Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-342	₹14,125 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Top-Screw Model, Threaded Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-343	₹18,766 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Top-Screw Model, Slotted Base - Metric Mirror Mount	Adjustable - Tip-Tilt		#56-344	₹18,766 <a href="#">Request Quote</a>	20+ In Stock <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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