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**TECHSPEC® 50mm Dia UV Enhanced Aluminum,  $\lambda/20$  Mirror**



Stock #70-297 **2 In Stock**

MRP ₹28,149

**i** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹28,149 each
Qty 6-25	₹22,599 each
Qty 26-49	₹21,087 each
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**General**

Flat Mirror Type:

**Physical & Mechanical Properties**

50.00 +0.0/-0.20 Diameter (mm):

5.00 ±0.20 Thickness (mm):

Commercial Polish	<b>Back Surface:</b>
90.00	<b>Clear Aperture (%):</b>
Ground, protective bevel as needed	<b>Edges:</b>
30.00	<b>Parallelism (arcsec):</b>
<b>Optical Properties</b>	
Metal	<b>Coating Type:</b>
UV Enhanced Aluminum (250-700nm)	<b>Coating:</b>
$\lambda/20$ (flatness pre-coating)	<b>Surface Flatness (P-V):</b>
250 - 700	<b>Wavelength Range (nm):</b>
<b>Fused Silica</b> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
$R_{avg} > 85\%$ @ 250 - 700nm $R_{avg} > 89\%$ @ 250 - 450nm	<b>Coating Specification:</b>
20-10	<b>Surface Quality:</b>
<b>Regulatory Compliance</b>	
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 247:</b>
United States	<b>Country of Origin:</b>
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	<b>Imported By:</b>

## 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

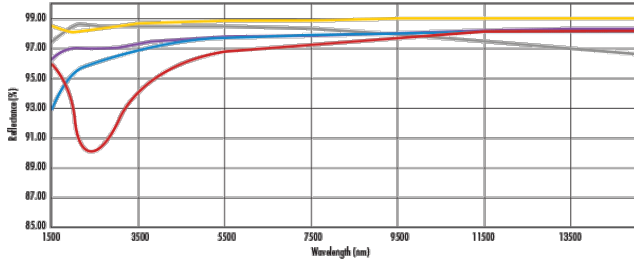
- Precision Fused Silica Substrate
- 20-10 Surface Quality
- Low Coefficient of Thermal Expansion

TECHSPEC®  $\lambda/20$  First Surface Mirrors are polished to industry leading surface accuracy and quality specifications to minimize reflected wavefront error. These mirrors feature a precision fused silica substrate with a low coefficient of thermal expansion. Multiple coating options are available, allowing these mirrors to be integrated into applications spanning the visible through infrared spectra. TECHSPEC®  $\lambda/20$  First Surface Mirrors are ideal for beam steering and reflection applications and are available in a variety of size, thickness, and coating options.

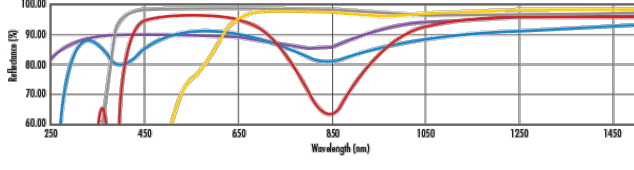
**Note:** Surface flatness is measured before coating.

## Technical Information

Typical Reflectance Curve for Metallic Mirror Coatings NIR - IR Range



Typical Reflectance Curve for Metallic Mirror Coatings UV - NIR Range



Protected Aluminum		Enhanced Aluminum		UV Thermal Aluminum		Protected Gold		Protected Silver	
Range (nm)	% Reflection	Range (nm)	% Reflection	Range (nm)	% Reflection	Range (nm)	% Reflection	Range (nm)	% Reflection
0.4 - 0.7	85	0.45 - 0.65	95	0.25 - 0.45	89	0.7 - 2.0	96	0.45 - 2.0	98
0.4 - 2.0	90	-	-	0.25 - 0.70	85	2.0 - 10.0	96	2.0 - 10.0	98