

TECHSPEC<sup>®</sup> 75mm Dia Protected Silver,  $\lambda/20$  Mirror



Stock **#34-400** 6 In Stock

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+

S\$1,001<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$1,001.00 each              |
| Qty 6-25       | S\$798.00 each                |
| Qty 26-49      | S\$749.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                 |
|----------------------------------|-----------------|
| Flat Mirror                      | Type:           |
| Physical & Mechanical Properties |                 |
| 75.00 +0.0/-0.10                 | Diameter (mm):  |
| 7.50 ±0.20                       | Thickness (mm): |

|                   |                     |
|-------------------|---------------------|
|                   | Back Surface:       |
| Commercial Polish |                     |
|                   | Clear Aperture (%): |
| 90.00             |                     |

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|                                    |                       |
|------------------------------------|-----------------------|
|                                    | Edges:                |
| Ground, protective bevel as needed |                       |
|                                    | Parallelism (arcsec): |
| 30.00                              |                       |

Optical Properties

|                                |               |
|--------------------------------|---------------|
|                                | Coating Type: |
| Metal                          |               |
|                                | Coating:      |
| Protected Silver (450-10000nm) |               |

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|                                     |                         |
|-------------------------------------|-------------------------|
|                                     | Surface Flatness (P-V): |
| $\lambda/20$ (flatness pre-coating) |                         |
|                                     | Wavelength Range (nm):  |
| 450 - 10000                         |                         |

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|                                                                               |                                     |
|-------------------------------------------------------------------------------|-------------------------------------|
|                                                                               | Substrate: <input type="checkbox"/> |
| Fused Silica (Corning 7980)                                                   |                                     |
|                                                                               | Coating Specification:              |
| R <sub>avg</sub> >98% @450 - 2000nm<br>R <sub>avg</sub> >98% @2000 - 10,000nm |                                     |

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|       |                  |
|-------|------------------|
|       | Surface Quality: |
| 20-10 |                  |

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
|           | RoHS 2015:                  |
| Compliant |                             |
|           | Certificate of Conformance: |
| View      |                             |

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|           |            |
|-----------|------------|
|           | Reach 247: |
| Compliant |            |

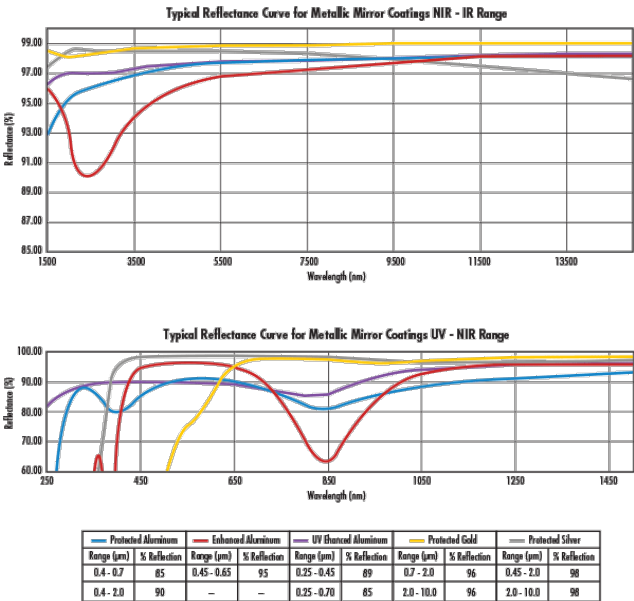
## Product Details

- 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



## Coating Curves

## Custom

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](#).

## Compatible Mounts

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