

TECHSPEC<sup>®</sup> 100mm Dia. 400 - 750nm Broadband  $\lambda$ /10 Mirror



Stock **#24-048** 2 In Stock

-

1

+

A\$1,912<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$1,912.00 each              |
| Qty 6-25       | A\$1,528.00 each              |
| Qty 26-49      | A\$1,440.00 each              |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):  
100.00 +0.00/-0.20

|                                                                                         |                                |
|-----------------------------------------------------------------------------------------|--------------------------------|
| Commercial Polish                                                                       | Back Surface:                  |
| 90                                                                                      | Clear Aperture (%):            |
| Ground, 0.5mm max bevel                                                                 | Edges:                         |
| <3                                                                                      | Parallelism (arcmin):          |
| 10.00 ±0.20                                                                             | Thickness (mm):                |
| Optical Properties                                                                      |                                |
| Dielectric Mirror (400-750nm)                                                           | Coating:                       |
| R <sub>avg</sub> >98% @400 - 750nm (0 - 45°)<br>R <sub>avg</sub> >99% @400 - 750nm (0°) | Coating Specification:         |
| 400 - 750                                                                               | Wavelength Range (nm):         |
| λ/10                                                                                    | Surface Flatness (P-V):        |
| Fused Silica (Corning 7980)                                                             | Substrate: □                   |
| 20-10                                                                                   | Surface Quality:               |
| Dielectric                                                                              | Coating Type:                  |
| 0-45                                                                                    | Angle of Incidence (°):        |
| 0.5 J/cm² @532nm, 20ns, 20Hz                                                            | Damage Threshold, Reference: □ |
| Regulatory Compliance                                                                   |                                |
| View                                                                                    | Certificate of Conformance:    |

## Product Details

- Enhanced Reflectivity and LIDT over Metallic Coatings
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Designed for all Polarization States from 0 – 45° AOI

TECHSPEC® Broadband Dielectric λ/10 Mirrors are ideal for beam steering or reflection applications utilizing multiple laser sources. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. The highly durable fused silica substrate offers a low thermal expansion coefficient and a high abrasion resistance. TECHSPEC® Broadband Dielectric λ/10 Mirrors are designed for applications from the UV to the near-infrared spectra.

## Technical Information



## 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](#).