

TECHSPEC<sup>®</sup> 25 x 25mm, 320 - 450nm Broadband  $\lambda/10$  Mirror



Stock **#29-905** 12 In Stock

-

1

+

₹10,121

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹10,121 each                  |
| Qty 6-25       | ₹8,096 each                   |
| Qty 26-49      | ₹7,590 each                   |
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Product Downloads

SPECIFICATIONS

General

Flat MirrorType:

| Physical & Mechanical Properties                                                                                                                                                         |                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Commercial Polish                                                                                                                                                                        | Back Surface:                                         |
| 25.00 x25.00 +0.00/-0.20                                                                                                                                                                 | Dimensions (mm):                                      |
| 90                                                                                                                                                                                       | Clear Aperture (%):                                   |
| Ground, 0.5mm max bevel                                                                                                                                                                  | Edges:                                                |
| <0.5                                                                                                                                                                                     | Parallelism (arcmin):                                 |
| 30                                                                                                                                                                                       | Parallelism (arcsec):                                 |
| 4.00 ±0.20                                                                                                                                                                               | Thickness (mm):                                       |
| Optical Properties                                                                                                                                                                       |                                                       |
| Dielectric Mirror (320-450nm)                                                                                                                                                            | Coating:                                              |
| R <sub>avg</sub> >98% @ 340 - 488nm (0°, All Polarizations)<br>R <sub>avg</sub> >98% @ 320 - 450nm (45°, All Polarizations)<br>R <sub>avg</sub> >99% @ 320 - 450nm (45°, S-Polarization) | Coating Specification:                                |
|                                                                                                                                                                                          |                                                       |
|                                                                                                                                                                                          |                                                       |
|                                                                                                                                                                                          |                                                       |
| 320 - 450                                                                                                                                                                                | Wavelength Range (nm):                                |
| N10                                                                                                                                                                                      | Surface Flatness (P-V):                               |
| Fused Silica (Corning 7980)                                                                                                                                                              | Substrate: <input type="checkbox"/>                   |
| 20-10                                                                                                                                                                                    | Surface Quality:                                      |
| Dielectric                                                                                                                                                                               | Coating Type:                                         |
| 0-45                                                                                                                                                                                     | Angle of Incidence (°):                               |
| 0.5 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz                                                                                                                                                | Damage Threshold, By Design: <input type="checkbox"/> |
| 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 N10 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 N10 Mirrors are designed for applications from the UV to the near-infrared spectra.

## TECHNICAL INFORMATION

## UV



## VIS



## NIR



## 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](#).