

TECHSPEC<sup>®</sup> 12.7mm Dia. 750 - 1100nm Broadband  $\lambda/10$  Mirror



Stock **#39-199** 20+ In Stock

-

1

+

€92<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €92,00 each                   |
| Qty 6-25       | €74,00 each                   |
| Qty 26-49      | €69,00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

|                         |                       |
|-------------------------|-----------------------|
| 12.70 +0.00/-0.10       |                       |
| Commercial Polish       | Back Surface:         |
| 90                      | Clear Aperture (%):   |
| Ground, 0.5mm max bevel | Edges:                |
| <3                      | Parallelism (arcmin): |
| 6.35 ±0.20              | Thickness (mm):       |

|                                                                                             |                                |
|---------------------------------------------------------------------------------------------|--------------------------------|
| Optical Properties                                                                          |                                |
| Dielectric Mirror (750-1100nm)                                                              | Coating:                       |
| R <sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°)<br>R <sub>avg</sub> >99% @ 750 - 1100nm (0°) | Coating Specification:         |
| 750 - 1100                                                                                  | 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 (°):        |
| 1 J/cm² @ 1064nm, 20ns, 20Hz                                                                | Damage Threshold, Reference: □ |

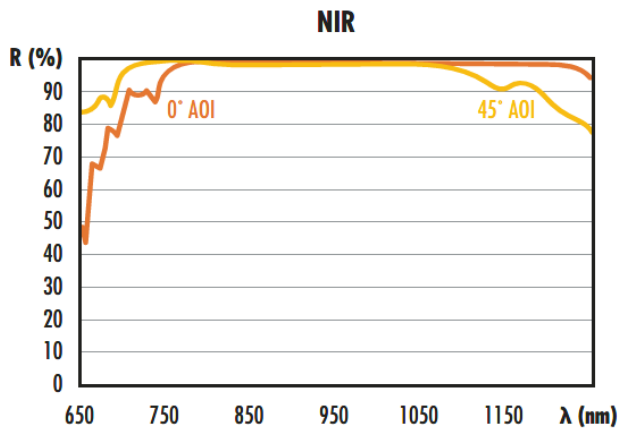
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 209:                  |
| View                  | 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](#).

## Compatible Mounts

---