

TECHSPEC<sup>®</sup> 19.1mm Dia. 750 - 1100nm Broadband  $\lambda/10$  Mirror



Stock **#39-206** 20+ In Stock

-

1

+

C\$154<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$154.00 each                |
| Qty 6-25       | C\$123.20 each                |
| Qty 26-49      | C\$115.50 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):  
19.10 +0.00/-0.10

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

Optical Properties

|                                                                                 |                                                                                                                  |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Dielectric                                                                      | Coating Type:                                                                                                    |
| Dielectric Mirror (750-1100nm)                                                  | Coating:                                                                                                         |
| $\lambda/10$                                                                    | Surface Flatness (P-V):                                                                                          |
| 750 - 1100                                                                      | Wavelength Range (nm):                                                                                           |
| <a href="#">Fused Silica</a> (Corning 7980)                                     | Substrate:                      |
| 0-45                                                                            | Angle of Incidence (°):                                                                                          |
| $R_{avg} >98\%$ @ 750 - 1100nm (0 - 45°)<br>$R_{avg} >99\%$ @ 750 - 1100nm (0°) | Coating Specification:                                                                                           |
| 20-10                                                                           | Surface Quality:                                                                                                 |
| 1 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz                                        | Damage Threshold, Reference:  |

Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">Compliant</a> | Reach 209:                  |
| <a href="#">View</a>      | 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 *N*/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 *N*/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