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**TECHSPEC® 50.8mm Dia. Uncoated, Silicon, Laser Mirror**



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**General**

Laser Mirror Substrate **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

Commercial Polish **Back Surface:**

50.80 +0.00/-0.10 **Diameter (mm):**

9.53 ±0.10 **Thickness (mm):**

## Optical Properties

40-20 **Surface Quality:**

N/A **Coating Specification:**

λ/10 **Surface Flatness (P-V):**

Uncoated **Coating:**

Optical Grade Silicon **Substrate:**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Silicon Substrate for Thermally Demanding Ultrafast Setups
- λ/10 Surface Flatness and 40-20 Surface Quality
- Available In Standard Diameters for Coating Flexibility and System Integration

TECHSPEC® Silicon Laser Mirror Substrates feature a high-thermal-conductivity silicon substrate designed for thermally demanding high-power and ultrafast laser applications. Optimized for efficient heat distribution in challenging optical setups, these substrates help mitigate thermally induced wavefront distortion. Designed as a coating-ready platform, TECHSPEC® Silicon Laser Mirror Substrates provide a flexible foundation for custom broadband or low-dispersion mirror solutions. Available in 12.7mm, 25.4mm, and 50.8mm diameters, these mirrors offer flexibility for integration into a wide range of laser system configurations.