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TECHSPEC® 12.7mm Dia. Uncoated, Silicon, Laser Mirror



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− 1 + A\$128⁰⁰

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General

Laser Mirror Substrate **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

Commercial Polish **Back Surface:**

Diameter (mm):

12.70 +0.00/-0.10

3.18 ±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.