

TECHSPEC® 25.4mm 45°, 2μm Laser Line Mirror



2μm Laser Line Mirrors

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€366⁰⁰

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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

Back Surface:

Compensating Coating

25.40 +0.0/-0.1 **Diameter (mm):**

6.35 ±0.2 **Thickness (mm):**

Optical Properties

40-20 **Surface Quality:**

99.6 **Reflection at DWL (%):**

99.6 **Reflectivity (Rs%):**

99.9 **Reflectivity (Rp%):**

Coating Specification:
Rs >99.9% @ 1900 – 2200nm
Rp >99.6% @ 1940 – 2100nm

1900 - 2200 **Wavelength Range (nm):**

λ7 @ 2000nm **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (1900-2200nm) **Coating:**

2000 **Design Wavelength DWL (nm):**

45 **Angle of Incidence (°):**

Substrate:
[Fused Silica](#) (Coming 7980)

Damage Threshold, By Design:
>10 J/cm² @ 2000nm, 10ns, 10Hz

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

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

[Compliant](#) **Reach 235:**

Product Details

- Laser Damage Threshold >10 J/cm² @ 2μm, 10ns, 10Hz
- Designed for Holmium and Thulium Laser Sources
- λ7 Surface Accuracy

TECHSPEC® High Performance 2μm Laser Mirrors are designed for use with Holmium (2100nm) and Thulium (1940nm) doped laser systems. These mirrors are ideal for medical, industrial, and metrology application spaces. The 2 micron wavelength regime is useful for surgical procedures as it can target discrete depth levels of tissue beneath the skin's surface. TECHSPEC® High Performance 2μm Laser Mirrors feature guaranteed laser damage thresholds >10 J/cm² and >99% reflectivity at 2 microns.

Note: For more information on 2μm laser source applications, please see the [Characteristics of 2μm Lasers](#).

Compatible Mounts