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



2μm Laser Line Mirrors

Stock **#37-502** **20+ In Stock**

⊖ 1 ⊕ **\$512<sup>00</sup>**

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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

Compensating Coating **Back Surface:**

25.40 +0.0/-0.1	<b>Diameter (mm):</b>
6.35 ±0.2	<b>Thickness (mm):</b>
<b>Optical Properties</b>	
40-20	<b>Surface Quality:</b>
99.6	<b>Reflection at DWL (%):</b>
99.6	<b>Reflectivity (Rs%):</b>
99.9	<b>Reflectivity (Rp%):</b>
<b>Coating Specification:</b> Rs >99.9% @ 1900 – 2200nm Rp >99.6% @ 1940 – 2100nm	
1900 - 2200	<b>Wavelength Range (nm):</b>
λ/7 @ 2000nm	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>
Laser Mirror (1900-2200nm)	<b>Coating:</b>
2000	<b>Design Wavelength DWL (nm):</b>
45	<b>Angle of Incidence (°):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
>10 J/cm <sup>2</sup> @ 2000nm, 10ns, 10Hz	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>

## Product Details

- Laser Damage Threshold >10 J/cm<sup>2</sup> @ 2μm, 10ns, 10Hz
- Designed for Holmium and Thulium Laser Sources
- λ/7 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/cm<sup>2</sup> and >99% reflectivity at 2 microns.

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

## Compatible Mounts