

**TECHSPEC® 25.4 x 25.4mm 266nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#39-583** **11 In Stock**

- 1 + C\$250<sup>00</sup>

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Volume Pricing	
Qty 1-5	C\$250.60 each
Qty 6-25	C\$219.80 each
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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

85 **Clear Aperture (%):**

**Back Surface:**

Commercial Polish

25.4 x 25.4 +0.00/-0.10

Dimensions (mm):

6.35 ±0.20

Thickness (mm):

## Optical Properties

10-5 **Surface Quality:**

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

**Coating Specification:**  
R<sub>abs</sub> >99.5% @ 266nm  
R<sub>avg</sub> >99.5% @ 263 - 268nm

263 - 268 **Wavelength Range (nm):**

λ/10 **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (263-268nm) **Coating:**

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

45 **Angle of Incidence (°):**

**Substrate:**   
[Fused Silica](#) (Corning 7980)

**Damage Threshold, Reference:**   
2.5 J/cm<sup>2</sup> @ 266nm, 20ns, 20Hz

## Regulatory Compliance

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

[Compliant](#) **Reach 209:**

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

## Product Details

- Up to 99.9% Reflectivity at Nd:YAG Harmonic Frequencies
- High Laser Induced Damage Threshold Specifications
- 10-5 Surface Quality for Reduced Scatter in Sensitive Laser Applications
- [TECHSPEC® Laser Mirror Substrates](#) and [TECHSPEC® Yb:YAG Laser Line Mirrors](#) Also Available

TECHSPEC® Nd:YAG Laser Line Mirrors combine high reflectivity, excellent surface quality, and precision surface flatness to meet the requirements of demanding Nd:YAG laser applications. Each coating design has been tested to ensure a high laser damage threshold for compatibility with pulsed laser systems. These fused silica substrate laser mirrors have excellent thermal stability and are available in round, square, and rectangular profiles. TECHSPEC® Nd:YAG Laser Line Mirrors are ideal for laboratories and integration into larger laser systems. 266nm, 355nm, 532nm, 1064nm, and multi-line Nd:YAG mirror coatings are available.

**Note:** Contact us for customizable wavelengths, sizes, and varying AOI versions.

## Compatible Mounts