

**TECHSPEC® 12.7 x 12.7mm 1064nm 0-45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #39-659 **20+ In Stock**

⊖ 1 ⊕ A\$267<sup>00</sup>

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Volume Pricing	
Qty 1-5	A\$267.20 each
Qty 6-25	A\$233.60 each
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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

85 **Clear Aperture (%):**

**Back Surface:**

Commercial Polish

12.7 x 12.7 +0.00/-0.10

Dimensions (mm):

6.35 ±0.20

Thickness (mm):

## Optical Properties

10-5 **Surface Quality:**

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

R<sub>abs</sub> >99.8% @ 1064nm **Coating Specification:**

λ/10 **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (1064nm) **Coating:**

1064 **Design Wavelength DWL (nm):**

0-45 **Angle of Incidence (°):**

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

**Damage Threshold, Reference:**   
15 J/cm<sup>2</sup> @ 1064nm, 20ns, 20Hz

## Regulatory Compliance

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

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

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

## 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