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**TECHSPEC® 50mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #47-156 **20+ In Stock**

⊖ 1 ⊕ **\$438<sup>00</sup>**

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Qty 1-5	<b>\$438.20</b> each
Qty 6-25	<b>\$387.80</b> each
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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

**Clear Aperture (%):**

>90

Ground **Back Surface:**

50.00 +0.00/-0.20 **Diameter (mm):**

10.00 ±0.20 **Thickness (mm):**

## Optical Properties

10-5 **Surface Quality:**

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

**Coating Specification:**  
R<sub>abs</sub> >99.8% @ 1064nm @ 45° AOI  
R<sub>avg</sub> >99.5% @ 1046 - 1074nm @ 45° AOI

1046 - 1074 **Wavelength Range (nm):**

λ/10 **Surface Flatness (P-V):**

Dielectric **Coating Type:**

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

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

45 **Angle of Incidence (°):**

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

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