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**TECHSPEC® 76.2mm Dia. 1064nm 0-45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #20-430 **9 In Stock**

- 1 + \$1,127<sup>00</sup>

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Volume Pricing	
Qty 1-5	\$1,127.00 each
Qty 6-25	\$1,015.00 each
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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

**Clear Aperture (%):**

Back Surface:  
N10

Diameter (mm):  
76.20 +0.00/-0.10

Thickness (mm):  
12.70 ±0.20

## Optical Properties

Surface Quality:  
10-5

Reflection at DWL (%):  
99.8

Coating Specification:  
R<sub>abs</sub> >99.8% @ 1064nm @ 0-45° AOI

Surface Flatness (P-V):  
N10

Coating Type:  
Dielectric

Coating:  
Laser Mirror (1064nm)

Design Wavelength DWL (nm):  
1064

Angle of Incidence (°):  
0-45

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

Damage Threshold, By Design:   
15.0 J/cm<sup>2</sup> @ 1064nm, 20ns, 20Hz  
1MW/cm<sup>2</sup> @ 1064nm

## Regulatory Compliance

Certificate of Conformance:  
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## 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