

[See all 130 Products in Family](#)

**TECHSPEC® 76.2mm Dia. 532nm 0-45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock **#20-422** **1 In Stock**

⊖ 1 ⊕ **\$\$1,127<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$\$1,127.00</b> each
Qty 6-25	<b>\$\$1,015.00</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

**Clear Aperture (%):**

Back Surface:  
λ/10

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% @ 532nm @ 0-45° AOI

Surface Flatness (P-V):  
λ/10

Coating Type:  
Dielectric

Coating:  
Laser Mirror (532nm)

Design Wavelength DWL (nm):  
532

Angle of Incidence (°):  
0-45

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

Damage Threshold, By Design:   
10.0 J/cm<sup>2</sup> @ 532nm, 20ns, 20Hz  
1MW/cm<sup>2</sup> @ 532nm

## Regulatory Compliance

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