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**TECHSPEC® 76.2mm Dia. 266nm 0-45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #20-418 **6 In Stock**

⊖ 1 ⊕ **SS\$1,127<sup>00</sup>**

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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

**Clear Aperture (%):**

Back Surface:

M10

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% @ 266nm @ 0-45° AOI

Surface Flatness (P-V):

M10

Coating Type:

Dielectric

Coating:

Laser Mirror (266nm)

Design Wavelength DWL (nm):

266

Angle of Incidence (°):

0-45

Substrate:

[Fused Silica](#) (Corning 7980)

Damage Threshold, By Design:

2.0 J/cm<sup>2</sup> @ 266nm, 20ns, 20Hz

1MW/cm<sup>2</sup> @ 266nm

## 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