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**TECHSPEC® 76.2mm Dia. 355nm 0-45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #20-420 **6 In Stock**

1 C\$1,127<sup>00</sup>

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Qty 1-5	C\$1,127.00 each
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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% @ 355nm @ 0-45° AOI

**Surface Flatness (P-V):**

M10

**Coating Type:**

Dielectric

**Coating:**

Laser Mirror (355nm)

**Design Wavelength DWL (nm):**

355

**Angle of Incidence (°):**

0-45

**Substrate:**

[Fused Silica](#) (Corning 7980)

**Damage Threshold, By Design:**

5.0 J/cm<sup>2</sup> @ 355nm, 20ns, 20Hz

1MW/cm<sup>2</sup> @ 355nm

## 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