

**TECHSPEC® 19.1 x 12.7mm 355nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#39-617** **20+ In Stock**

⊖ 1 ⊕ **A\$256<sup>00</sup>**

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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

85 **Clear Aperture (%):**

**Back Surface:**

Commercial Polish

19.1 x 12.7 +0.00/-0.10

Dimensions (mm):

6.35 ±0.20

Thickness (mm):

## Optical Properties

10-5

Surface Quality:

99.8

Reflection at DWL (%):

R<sub>abs</sub> >99.8% @ 355nm  
R<sub>avg</sub> >99.5% @ 351 - 358nm

Coating Specification:

351 - 358

Wavelength Range (nm):

λ/10

Surface Flatness (P-V):

Dielectric

Coating Type:

Laser Mirror (351-358nm)

Coating:

355

Design Wavelength DWL (nm):

45

Angle of Incidence (°):

[Fused Silica](#) (Corning 7980)

Substrate:

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

Damage Threshold, Reference:

## Regulatory Compliance

[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