

TECHSPEC® 12.7mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #34-818 **11 In Stock**

⊖ 1 ⊕ C\$205⁰⁰

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| Qty 1-5 | C\$205.80 each |
| Qty 6-25 | C\$180.60 each |
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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

Back Surface:

Commercial Polish

12.70 +0.00/-0.10 **Diameter (mm):**

6.35 ±0.20 **Thickness (mm):**

Optical Properties

10-5 **Surface Quality:**

99.8 **Reflection at DWL (%):**

Coating Specification:
R_{abs} ≥99.8% @ 355nm
R_{avg} ≥99.5% @ 351 - 358nm

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 (°):**

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

Damage Threshold, Reference:
6 J/cm² @ 355nm, 20ns, 20Hz

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