

TECHSPEC® 50.8mm Dia. 355nm 0-45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #38-870 **20+ In Stock**

- 1 + C\$455.00

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Volume Pricing	
Qty 1-5	C\$455.00 each
Qty 6-25	C\$403.20 each
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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

Back Surface:

Commercial Polish

50.80 +0.00/-0.10 **Diameter (mm):**

9.53 ±0.20 **Thickness (mm):**

Optical Properties

10-5 **Surface Quality:**

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

$R_{\text{abs}} \geq 99.8\%$ @ 355nm **Coating Specification:**

351 - 358 **Wavelength Range (nm):**

$\lambda/10$ **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (355nm) **Coating:**

355 **Design Wavelength DWL (nm):**

0-45 **Angle of Incidence (°):**

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

5 J/cm² @ 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