

TECHSPEC® 12.7 x 12.7mm 532nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #39-641 **4 In Stock**

- 1 + C\$214²⁰

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Volume Pricing	
Qty 1-5	C\$214.20 each
Qty 6-25	C\$187.60 each
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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

85 **Clear Aperture (%):**

Back Surface:

Commercial Polish

12.7 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 (%):**

Coating Specification:
R_{abs} >99.8% @ 532nm
R_{avg} >99.5% @ 523 - 537nm

523 - 537 **Wavelength Range (nm):**

λ/10 **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (523-537nm) **Coating:**

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

45 **Angle of Incidence (°):**

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

Damage Threshold, Reference:
15 J/cm² @ 532nm, 20ns, 20Hz

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **REACH 201:**

[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