

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 ⊕ **A\$244⁰⁰**

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Volume Pricing	
Qty 1-5	A\$244.80 each
Qty 6-25	A\$214.40 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 (%):

$R_{abs} > 99.8\%$ @ 532nm
 $R_{avg} > 99.5\%$ @ 523 - 537nm

Coating Specification:

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 (°):

[Fused Silica](#) (Corning 7980)

Substrate:

15 J/cm² @ 532nm, 20ns, 20Hz

Damage Threshold, Reference:

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