

TECHSPEC® 25mm Dia. 532nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock **#45-991** **20+ In Stock**

1 **A\$278⁰⁰**

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Volume Pricing	
Qty 1-5	A\$278.40 each
Qty 6-25	A\$244.80 each
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SPECIFICATIONS

General

Laser Mirror **Type:**

Physical & Mechanical Properties

Parallelism (arcmin):

<3

Clear Aperture (%):

>90

Back Surface:

Ground

Diameter (mm):

25.00 +0.00/-0.20

Thickness (mm):

6.00 ±0.20

Optical Properties

Surface Quality:

10-5

Reflection at DWL (%):

99.8

Coating Specification:

$R_{abs} > 99.8\%$ @ 532nm @ 45° AOI
 $R_{avg} > 99.5\%$ @ 523 - 537nm @ 45° AOI

Wavelength Range (nm):

523 - 537

Surface Flatness (P-V):

λ/10

Coating Type:

Dielectric

Coating:

Laser Mirror (532nm)

Design Wavelength DWL (nm):

532

Angle of Incidence (°):

45

Substrate:

[Fused Silica](#) (Corning 7980)

Damage Threshold, Reference:

15 J/cm² @ 532nm, 20ns, 20Hz

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

REACH 241:

[Compliant](#)

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