

[See all 130 Products in Family](#)

TECHSPEC® 50mm Dia. 532nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #47-157 **20+ In Stock**

⊖ 1 ⊕ **\$438⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	\$438.20 each
Qty 6-25	\$387.80 each
Need More?	Request Quote

Product Downloads

General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

Clear Aperture (%):

>90

Ground **Back Surface:**

50.00 +0.00/-0.20 **Diameter (mm):**

10.00 ±0.20 **Thickness (mm):**

Optical Properties

10-5 **Surface Quality:**

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

Coating Specification:
R_{abs} >99.8% @ 532nm @ 45° AOI
R_{avg} >99.5% @ 523 - 537nm @ 45° AOI

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

λ/10 **Surface Flatness (P-V):**

Dielectric **Coating Type:**

Laser Mirror (532nm) **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

RoHS 2015:
[Compliant](#)

Reach 209:
[Compliant](#)

Certificate of Conformance:
[View](#)

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