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TECHSPEC® 12.5mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock **#45-986** **20+ In Stock**

⊖ 1 ⊕ C\$205⁰⁰

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Volume Pricing	
Qty 1-5	C\$205.80 each
Qty 6-25	C\$180.60 each
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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

Clear Aperture (%):

>90

Ground

Back Surface:

12.50 +0.00/-0.20

Diameter (mm):

6.00 ±0.20

Thickness (mm):

Optical Properties

10-5

Surface Quality:

99.8

Reflection at DWL (%):

Coating Specification:
R_{abs} >99.8% @ 1064nm @ 45° AOI
R_{avg} >99.5% @ 1046 - 1074nm @ 45° AOI

1046 - 1074

Wavelength Range (nm):

λ/10

Surface Flatness (P-V):

Dielectric

Coating Type:

Laser Mirror (1064nm)

Coating:

1064

Design Wavelength DWL (nm):

45

Angle of Incidence (°):

[Fused Silica](#) (Corning 7980)

Substrate:

Damage Threshold, Reference:
20 J/cm² @ 1064nm, 20ns, 20Hz

Regulatory Compliance

[Compliant](#)

RoHS 2015:

[Compliant](#)

Reach 209:

[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