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TECHSPEC® 76.2mm Dia. 1064nm 0-45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock #20-430 **7 In Stock**

⊖ 1 ⊕ A\$1,288⁰⁰

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Volume Pricing	
Qty 1-5	A\$1,288.00 each
Qty 6-25	A\$1,160.00 each
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General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

Clear Aperture (%):

Back Surface:
λ/10

Diameter (mm):
76.20 +0.00/-0.10

Thickness (mm):
12.70 ±0.20

Optical Properties

Surface Quality:
10-5

Reflection at DWL (%):
99.8

Coating Specification:
R_{abs} >99.8% @ 1064nm @ 0-45° AOI

Surface Flatness (P-V):
λ/10

Coating Type:
Dielectric

Coating:
Laser Mirror (1064nm)

Design Wavelength DWL (nm):
1064

Angle of Incidence (°):
0-45

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

Damage Threshold, By Design:
15.0 J/cm² @ 1064nm, 20ns, 20Hz
1MW/cm² @ 1064nm

Regulatory Compliance

Certificate of Conformance:
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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