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TECHSPEC® 50mm Dia. 1064nm 0-45°, Nd:YAG Laser Line Mirror

TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#88-534** CONTACT US

- 1 + **A$520**.00

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Volume Pricing	
Qty 1-5	**A$520.00** each
Qty 6-25	**A$460.80** each
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General

Type:

Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):

<3

Clear Aperture (%):

80

Back Surface:
Ground

Diameter (mm):
50.00 +0.00/-0.20

Thickness (mm):
10.00 ±0.20

Optical Properties

Surface Quality:
10-5

Reflection at DWL (%):
99.9

Coating Specification:
R_{abs} >99.8% @ 1064nm

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, Reference:
15 J/cm^2 @ 1064nm, 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

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