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TECHSPEC® 50.8mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror

TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#38-900** 10 TO 12 DAYS

- 1 + ₹24,447

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Qty 1-5
₹24,447

Qty 6+
₹21,663

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SPECIFICATIONS

General

Type:
Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):
<3

Clear Aperture (%):
90

Back Surface:
Commercial Polish

Diameter (mm):
50.80 +0.00/-0.10

Thickness (mm):
9.53 ±0.20

Optical Properties

Surface Quality:
10-5

Reflection at DWL (%):
99.8

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

Wavelength Range (nm):
1046 - 1074

Surface Flatness (P-V):
λ/10

Coating Type:
Dielectric

Coating:
Laser Mirror (1046-1074nm)

Design Wavelength DWL (nm):
1064

Angle of Incidence (°):
45

Substrate:
Fused Silica (Corning 7980)

Damage Threshold, Reference:
20 J/cm^2 @ 1064nm, 20ns, 20Hz

Regulatory Compliance

RoHS:
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