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TECHSPEC[®] 76.2mm Dia. 532nm 0-45°, Nd:YAG Laser Line Mirror



TECHSPEC[®] Nd:YAG Laser Line Mirrors



Stock #20-422 5 In Stock

-

1

+

€750^{.00}

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Volume Pricing	
Qty 1-5	€750,00 each
Qty 6-25	€675,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):

<3

90	Clear Aperture (%):
λ/10	Back Surface:
76.20 +0.00/-0.10	Diameter (mm):
12.70 ±0.20	Thickness (mm):
Optical Properties	
10-5	Surface Quality:
99.8	Reflection at DWL (%):
R _{abs} >99.8% @ 532nm @ 0-45° AOI	Coating Specification:
λ/10	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror (532nm)	Coating:
532	Design Wavelength DWL (nm):
0-45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate: ☐
10.0 J/cm² @ 532nm, 20ns, 20Hz 1MW/cm² @ 532nm	Damage Threshold, By Design: ☐
Regulatory Compliance	
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