

TECHSPEC[®] 38.1mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC[®] Nd:YAG Laser Line Mirrors

Stock **#34-821** **5 In Stock**

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1

+

€173⁰⁰

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Volume Pricing	
Qty 1-5	€173,00 each
Qty 6-25	€151,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Laser Mirror

Type:

Physical & Mechanical Properties

<3	Parallelism (arcmin):
90	Clear Aperture (%):
Commercial Polish	Back Surface:
38.10 +0.00/-0.10	Diameter (mm):
6.35 ±0.20	Thickness (mm):
Optical Properties	
10-5	Surface Quality:
99.8	Reflection at DWL (%):
R _{abs} ≥99.8% @ 355nm R _{avg} ≥99.5% @ 351 - 358nm	Coating Specification:
351 - 358	Wavelength Range (nm):
λ/10	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror (351-358nm)	Coating:
355	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate:
6 J/cm ² @ 355nm, 20ns, 20Hz	Damage Threshold, Reference:
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