

TECHSPEC® 38.1mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #34-831 **13 In Stock**

⊖ 1 ⊕ £164⁰⁰

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Volume Pricing	
Qty 1-5	£164.00 each
Qty 6-25	£144.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

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% @ 1064nm R _{avg} >99.5% @ 1046 - 1074nm	Coating Specification:
1046 - 1074	Wavelength Range (nm):
λ10	Surface Flatness (P-V):
Dielectric	Coating Type:
Laser Mirror (1046-1074nm)	Coating:
1064	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Coming 7980)	Substrate: <input type="checkbox"/>
20 J/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, Reference: <input type="checkbox"/>

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 219:
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

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