

**TECHSPEC® 50.8mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #38-862 **13 In Stock**

⊖ 1 ⊕ £250<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£250.40 each
Qty 6-25	£221.60 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	<b>Back Surface:</b>
50.80 +0.00/-0.10	<b>Diameter (mm):</b>
9.53 ±0.20	<b>Thickness (mm):</b>
<b>Optical Properties</b>	
10-5	<b>Surface Quality:</b>
99.8	<b>Reflection at DWL (%):</b>
R <sub>abs</sub> ≥99.8% @ 355nm R <sub>avg</sub> ≥99.5% @ 351 - 358nm	<b>Coating Specification:</b>
351 - 358	<b>Wavelength Range (nm):</b>
λ/10	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>
Laser Mirror (351-358nm)	<b>Coating:</b>
355	<b>Design Wavelength DWL (nm):</b>
45	<b>Angle of Incidence (°):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
6 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz	<b>Damage Threshold, Reference:</b> <input type="checkbox"/>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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