

TECHSPEC® 25.4 x 25.4mm 532nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock #39-643 **1 In Stock**

⊖ 1 ⊕ £143²⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | £143.20 each |
| Qty 6-25 | £125.60 each |
| Need More? | Request Quote |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Mirror **Type:**

Physical & Mechanical Properties

<3 **Parallelism (arcmin):**

85 **Clear Aperture (%):**

| | |
|--------------------------------------------------------------------------|--------------------------------------------------------------|
| Commercial Polish | Back Surface: |
| 25.4 x 25.4 +0.00/-0.10 | Dimensions (mm): |
| 6.35 ±0.20 | Thickness (mm): |
| Optical Properties | |
| 10-5 | Surface Quality: |
| 99.8 | Reflection at DWL (%): |
| R _{abs} >99.8% @ 532nm R _{avg} >99.5% @ 523 - 537nm | Coating Specification: |
| 523 - 537 | Wavelength Range (nm): |
| λ/10 | Surface Flatness (P-V): |
| Dielectric | Coating Type: |
| Laser Mirror (523-537nm) | Coating: |
| 532 | Design Wavelength DWL (nm): |
| 45 | Angle of Incidence (°): |
| Fused Silica (Coming 7980) | Substrate: <input type="checkbox"/> |
| 15 J/cm ² @ 532nm, 20ns, 20Hz | Damage Threshold, Reference: <input type="checkbox"/> |

| | |
|------------------------------|------------------------------------|
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| Compliant | REACH 201: |
| 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