

[See all 130 Products in Family](#)

**TECHSPEC® 50.8mm Dia. 1064nm 0-45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors



Stock **#38-909** **20+ In Stock**

⊖ 1 ⊕ £260.<sup>00</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £260.00 each                  |
| Qty 6-25       | £230.40 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

|  |   |
|--|---|
| 80   | <b>Clear Aperture (%)</b> :                                   |
| Ground                                     | <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% @ 1064nm           | <b>Coating Specification</b> :                                |
| 1046 - 1074                                | <b>Wavelength Range (nm)</b> :                                |
| λ/10                                       | <b>Surface Flatness (P-V)</b> :                               |
| Dielectric                                 | <b>Coating Type</b> :   |
| Laser Mirror (1064nm)                      | <b>Coating</b> :  |
| 1064                                       | <b>Design Wavelength DWL (nm)</b> :                           |
| 0-45                                       | <b>Angle of Incidence (°)</b> :                               |
| <a href="#">Fused Silica</a> (Coming 7980) | <b>Substrate</b> : <input type="checkbox"/>                   |
| 15 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz  | <b>Damage Threshold, Reference</b> : <input type="checkbox"/> |

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Regulatory Compliance</b> |                                     |
| <a href="#">Compliant</a>    | <b>RoHS 2015</b> :                  |
| <a href="#">Compliant</a>    | <b>Reach 209</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