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**TECHSPEC® 19.1mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror**



TECHSPEC® Nd:YAG Laser Line Mirrors

Stock **#34-829** **5 In Stock**

⊖ 1 ⊕ €136<sup>00</sup>

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| Qty 1-5        | €136,00 each                  |
| Qty 6-25       | €121,00 each                  |
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ⓘ Prices shown are exclusive of VAT/local taxes

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**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

<3 **Parallelism (arcmin):**

90 **Clear Aperture (%):**

|   |  |
|---|--|
| Commercial Polish   | <b>Back Surface:</b>   |
| 19.10 +0.00/-0.10   | <b>Diameter (mm):</b>  |
| 6.35 ±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<br>R <sub>avg</sub> >99.5% @ 1046 - 1074nm | <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 (1046-1074nm)  | <b>Coating:</b>  |
| 1064  | <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"/>                   |
| 20 J/cm <sup>2</sup> @ 1064nm, 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