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TECHSPEC<sup>®</sup> 12.7 x 12.7mm 532nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC<sup>®</sup> Nd:YAG Laser Line Mirrors

Stock **#39-641** 4 In Stock

-

1

+

€143<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €143,00 each                  |
| Qty 6-25       | €125,00 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):

85

Clear Aperture (%):

|                                                                          |                                                       |
|--------------------------------------------------------------------------|-------------------------------------------------------|
| Commercial Polish                                                        | Back Surface:                                         |
| 12.7 x 12.7 +0.00/-0.10                                                  | Dimensions (mm):                                      |
| 6.35 ±0.20                                                               | Thickness (mm):                                       |
| Optical Properties                                                       |                                                       |
| 10-5                                                                     | Surface Quality:                                      |
| 99.8                                                                     | Reflection at DWL (%):                                |
| R <sub>abs</sub> >99.8% @ 532nm<br>R <sub>avg</sub> >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 (°):                               |
| <a href="#">Fused Silica</a> (Corning 7980)                              | Substrate: <input type="checkbox"/>                   |
| 15 J/cm² @ 532nm, 20ns, 20Hz                                             | Damage Threshold, Reference: <input type="checkbox"/> |
| Regulatory Compliance                                                    |                                                       |
| <a href="#">Compliant</a>                                                | RoHS 2015:                                            |
| <a href="#">Compliant</a>                                                | REACH 201:                                            |
| <a href="#">View</a>                                                     | 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