

TECHSPEC<sup>®</sup> 6.35 x 6.35mm 532nm 0-45°, Nd:YAG Laser Line Mirror



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

Stock **#39-645** 20+ In Stock

-

1

+

£122<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £122.40 each                  |
| Qty 6-25       | £107.20 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):

85

Clear Aperture (%):

|                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| Commercial Polish                           | Back Surface:                                         |
|                                             |                                                       |
| 6.35 x 6.35 +0.00/-0.10                     | Dimensions (mm):                                      |
|                                             |                                                       |
| 3.18 ±0.20                                  | Thickness (mm):                                       |
|                                             |                                                       |
| Optical Properties                          |                                                       |
| 10-5                                        | Surface Quality:                                      |
|                                             |                                                       |
| 99.8                                        | Reflection at DWL (%):                                |
|                                             |                                                       |
| R <sub>abs</sub> >99.8% @ 532nm             | Coating Specification:                                |
|                                             |                                                       |
| λ/10                                        | Surface Flatness (P-V):                               |
|                                             |                                                       |
| Dielectric                                  | Coating Type:                                         |
|                                             |                                                       |
| Laser Mirror (532nm)                        | Coating:                                              |
|                                             |                                                       |
| 532                                         | Design Wavelength DWL (nm):                           |
|                                             |                                                       |
| 0-45                                        | Angle of Incidence (°):                               |
|                                             |                                                       |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>                   |
|                                             |                                                       |
| 10 J/cm <sup>2</sup> @ 532nm, 20ns, 20Hz    | Damage Threshold, Reference: <input type="checkbox"/> |
|                                             |                                                       |

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