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TECHSPEC<sup>®</sup> 25.4mm Dia. 266nm 45°, Nd:YAG Laser Line Mirror



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



Stock **#34-815** 20+ In Stock

-

1

+

A\$278<sup>40</sup>

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| Volume Pricing |                               |
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| Qty 1-5        | A\$278.40 each                |
| Qty 6-25       | A\$244.80 each                |
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General

Laser Mirror

Type:

Physical & Mechanical Properties

<3 Parallelism (arcmin):

Clear Aperture (%):

|                                                                                              |                                |
|----------------------------------------------------------------------------------------------|--------------------------------|
| 85                                                                                           |                                |
| Commercial Polish                                                                            | Back Surface:                  |
| 25.40 +0.00/-0.10                                                                            | Diameter (mm):                 |
| 6.35 ±0.20                                                                                   | Thickness (mm):                |
| Optical Properties                                                                           |                                |
| 10-5                                                                                         | Surface Quality:               |
| 99.5                                                                                         | Reflection at DWL (%):         |
| R <sub>abs</sub> >99.5% @ 266nm @ 45° AOI<br>R <sub>avg</sub> >99.5% @ 263 - 268nm @ 45° AOI | Coating Specification:         |
| 263 - 268                                                                                    | Wavelength Range (nm):         |
| λ/10                                                                                         | Surface Flatness (P-V):        |
| Dielectric                                                                                   | Coating Type:                  |
| Laser Mirror (266nm)                                                                         | Coating:                       |
| 266                                                                                          | Design Wavelength DWL (nm):    |
| 45                                                                                           | Angle of Incidence (°):        |
| Fused Silica (Corning 7980)                                                                  | Substrate: □                   |
| 2.5 J/cm² @ 266nm, 20ns, 20Hz                                                                | Damage Threshold, By Design: □ |
| 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