

TECHSPEC<sup>®</sup> 12.5mm Dia. 266nm 45°, Nd:YAG Laser Line Mirror



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

Stock #47-980 16 In Stock

-

1

+

S\$205<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$205.80 each                |
| Qty 6-25       | S\$180.60 each                |
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General

Laser Mirror

Type:

Physical & Mechanical Properties

<3

Parallelism (arcmin):

>90

Clear Aperture (%):

Back Surface:

|                                                                                                                        |                                     |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Ground                                                                                                                 |                                     |
| 12.50 +0.00/-0.20                                                                                                      | Diameter (mm):                      |
| 6.00 ±0.20                                                                                                             | Thickness (mm):                     |
| Optical Properties                                                                                                     |                                     |
| 10-5                                                                                                                   | Surface Quality:                    |
| 99.5                                                                                                                   | Reflection at DWL (%):              |
| Coating Specification:<br>R <sub>abs</sub> >99.5% @ 266nm @ 45° AOI<br>R <sub>avg</sub> >99.5% @ 263 - 268nm @ 45° AOI |                                     |
| 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 (°):             |
| <a href="#">Fused Silica</a> (Corning 7980)                                                                            | Substrate: <input type="checkbox"/> |
| Damage Threshold, Reference: <input type="checkbox"/><br>2.5 J/cm <sup>2</sup> @ 266nm, 20ns, 20Hz                     |                                     |
| 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