

TECHSPEC<sup>®</sup> 50mm Dia. 1064nm 45°, Nd:YAG Laser Line Mirror



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



Stock **#47-156** 20+ In Stock

-

1

+

C\$438<sup>-20</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$438.20 each                |
| Qty 6-25       | C\$387.80 each                |
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Product Downloads

General

Type:

Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):

<3

Clear Aperture (%):

|                                                                                                                           |                             |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| >90                                                                                                                       |                             |
| Ground                                                                                                                    | Back Surface:               |
| 50.00 +0.00/-0.20                                                                                                         | Diameter (mm):              |
| 10.00 ±0.20                                                                                                               | Thickness (mm):             |
| Optical Properties                                                                                                        |                             |
| 10-5                                                                                                                      | Surface Quality:            |
| 99.8                                                                                                                      | Reflection at DWL (%):      |
| Coating Specification:<br>R <sub>abs</sub> >99.8% @ 1064nm @ 45° AOI<br>R <sub>avg</sub> >99.5% @ 1046 - 1074nm @ 45° AOI |                             |
| 1046 - 1074                                                                                                               | Wavelength Range (nm):      |
| λ/10                                                                                                                      | Surface Flatness (P-V):     |
| Dielectric                                                                                                                | Coating Type:               |
| Laser Mirror (1064nm)                                                                                                     | Coating:                    |
| 1064                                                                                                                      | Design Wavelength DWL (nm): |
| 45                                                                                                                        | Angle of Incidence (°):     |
| Fused Silica (Corning 7980)                                                                                               | Substrate: □                |
| Damage Threshold, Reference: □<br>20 J/cm² @ 1064nm, 20ns, 20Hz                                                           |                             |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 209:                  |
| 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